

a division of Dispersion Technology Systems, LLC

TERMINALS & CONNECTORS

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A Full Line of Marine and Industrial Products...

ELECTRO-FAST DISTRIBUTION provides a wide variety of in-stock electrical products affording your company the most up-to-date solutions for your electrical applications. Our vast line of products ranges from electronic fuses and switches to wire and cable, terminals and connectors, heat shrink products, loom and plastic anchors.

In addition to our complete line of electrical items, **ELECTRO-FAST** is proud to be an authorized THOMAS & BETTS Distributor. Consult your sales representative for information regarding the THOMAS&BETTS automotive and industrial product lines. **ELECTRO-FAST DISTRIBUTION** offers additional product lines including CRC, PERMATEX, COLE HERSEE, POLLAK, THOMAS&BETTS Corporation, Mueller, Weatherhead, Breeze, IDEAL, Tyton, 3M, BUSS, and LittellFuse. Catalogs specific to these product lines are available



The new ELECTROFAST Catalog and our Customer Service Department assure a full range of products to meet any of your needs.

upon request from your sales representative or from our Customer Service Department.

ELECTRO-FAST DISTRIBUTION is proud to be working hard in all of our departments and in every aspect of service and product availability to insure that all of our customers can use our products with confidence. Our automotive, marine, and industrial products have been distributed and relied on for years for their consistent performance, availability, and outstanding value.

If you can not find a particular item listed in our General Products Catalog, please contact our Customer Service Department at 1-800-854-2201 for immediate availability information.



SEE Page 1 For a Full Line TABLE of CONTENTS

A Full Range of Terminals and Connectors...



ELECTRO-FAST Terminals, Lugs and Connectors are the outstanding pride of the **ELECTRO-FAST** line. With our extensive variety of electrical and industrial terminals, lugs and connectors including bare brazed terminal rings and splices, vinyl insulated and nylon insulated terminals, and our color coded automotive and industrial lugs and terminals, **ELECTRO-FAST** is able to compete in every environment. U.L. Listing and CSA Certification information is available upon request.

U.L. File Number 36507 and 76317

CSA File Number 22190

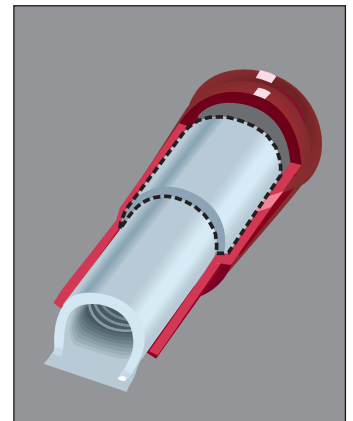
*U.L. Test - U.L. 486 or U.L. 310

*CSA Test - CSA C22.2 No. 65, No. 153 or No. 188

*Based upon stranded copper wire.

INSULATION

Insulated terminals are constructed with a flared, seamless brass sleeve securely attached and covered with a flared,









ELECTROFAST'S Nylon Insulated Terminal With Insulation Grip.

molded nylon, color coded outer sleeve. Wire insulation positions itself against the funnel portion of the brass sleeve. The crimping barrel and flared portion of the sleeve provide excellent electrical contact plus mechanical stress relief at the junction of insulation and the barrel.

Positioning a crimp tool is virtually mistake proof due to the "step" in the nylon insulation. (see above illustration). Industry standard color coding indicates wire range. Insulators are rated at a continuous operating temperature range from -40°F to 220°F (-40°C to 105°C). U.L. Listed and CSA Certified for 600 volt building wire and 1000 volt signs and fixtures. **ELECTRO-FAST** terminals and connectors are the right choice for any application.

SEE Page 1 For a Full Line TABLE of CONTENTS

STUD SIZES

STANDARD STUD SIZE		SCREW DIAMETER	STANDARD STUD SIZE		SCREW DIAMETER	STANDARD STUD SIZE		SCREW DIAMETER			
•	#0	.060		5/16"	.312		3/4"	.750			
•	#1	.073			3/8"				.375		
•	#2	.086			7/16"	.437		7/8"	.875		
•	#3	.099			1/2"	.500					
•	#4	.112				5/8"				.625	1"	1.000
•	#5	.125									
•	#6	.138	1/4"	.250							
•	#8	.164									
•	#10	.190	1/4"	.250							
•	#12	.216									
•	#14	.242	1/4"	.250							
•	1/4"	.250									

STANDARD RECOMMENDED ATA COLOR CODE

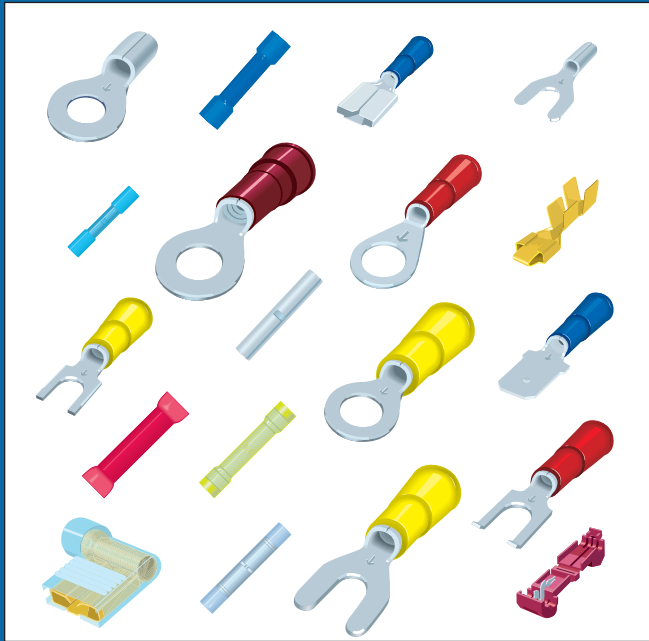
WHITE.....	Ground Return to Towing Vehicle
BLACK.....	ICC Required Marker and Clearance Lamps
RED.....	Stop Lamp
GREEN.....	Right Hand Directional Signal
YELLOW.....	Left Hand Directional Signal
BROWN.....	Tail Lamp, Three-Bar Marker Lamp, Clearance and Marker Lamps OTHER THAN ICC REQUIRED
BLUE.....	Auxiliary Circuits

VOLTS multiplied by AMPS = WATTS
WATTS divided by AMPS = VOLTS
WATTS divided by VOLTS = AMPS

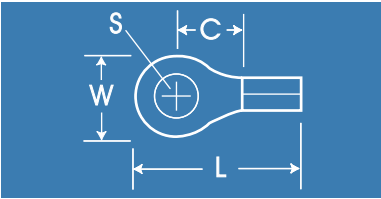
STANDARD RECOMMENDED WIRE GAUGES for AUTOMOTIVE 6 and 12 Volt SYSTEMS

LOAD in AMPS	LENGTH OF FEET IN RUN						
	6V	12V	3'	10'	15'	25'	50' 100'
0.5	1.0	18	18	18	18	18	18
1.0	2.0	18	18	18	18	18	16
1.5	3.0	18	18	18	18	18	14
2.5	5.0	18	18	18	18	14	12
5.0	10.0	18	18	16	16	12	10
7.5	15.0	18	18	14	12	10	8
10.0	20.0	18	16	14	10	10	6
15.0	30.0	18	14	10	10	6	4
20.0	40.0	18	12	10	8	6	2
25.0	50.0	16	12	10	8	6	2
50.0	100.0	12	10	6	4	2	0
75.0	150.0	10	8	4	2	1	00
100.0	200.0	10	6	4	2	0	4/0

TERMINALS & CONNECTORS



***Including Battery Terminals,
Lugs, and Heat Shrink Terminals***



RING TONGUE TERMINALS

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB22182RS	.60	.25	2	.23
BB22184RS	.60	.25	4	.23
BB22186RS	.60	.25	6	.22
BB22186R	.74	.33	6	.33
BB22188RS	.60	.25	8	.22
BB22188R	.70	.33	8	.29
BB221810R	.70	.33	10	.29
BB221814R	.88	.47	1/4	.40
BB221856R	.88	.47	5/16	.40
BB22138R	.88	.56	3/8	.40
SC22182RS	.80	.25	2	.23
SC22184RS	.80	.25	4	.22
SC22186RS	.80	.25	6	.22
SC22186R	.93	.31	6	.33
SC22188RS	.80	.25	8	.22
SC22188R	.90	.33	8	.29
SC221810R	.90	.33	10	.29
SC221814R	1.08	.47	1/4	.40
SC221856R	1.08	.47	5/16	.40
SC221838R	1.13	.56	3/8	.40
DC22182RS	.79	.25	2	.23
DC22184RS	.79	.25	4	.22
DC22186RS	.79	.25	6	.22
DC22186R	.92	.31	6	.33
DC22188RS	.79	.25	8	.22
DC22188R	.89	.33	8	.29
DC221810R	.89	.33	10	.29
DC221814R	1.07	.47	1/4	.40
DC221856R	1.07	.47	5/16	.40
DC221838R	1.12	.56	3/8	.40



**BARE
BRAZED**



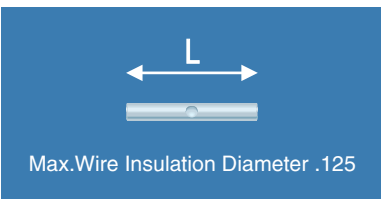
**VINYL
INSULATED**



**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .125

*Heat Shrink Covered Available For Many of the Above Terminals.



STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM (BARE)**

PRODUCT NO.	LENGTH (L)
BB2218SC	.63



**NYLON
INSULATED
SEAMLESS**

PRODUCT NO.	LENGTH (L)
NSC2218SCE	1.02



**VINYL
INSULATED
BUTTED
SEAM**

SC2218SC	1.00
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**NYLON
INSULATED
WITH INSUL.
SUPPORT**

NDC2218SC	1.00
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**VINYL
INSULATED
SEAMLESS**

SC2218SCS	1.06
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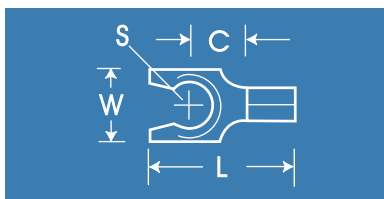


**MOISTURE
RESISTANT**

MRB2218SC*	1.00
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*Filled with a Moisture Resistant Electrical Sealant.

*Heat Shrink Covered Available For Many of the Above Terminals.



SNAP SPADE TERMINALS



**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB22184SS	.68	.25	4	.25
BB22186SS	.68	.25	6	.25
BB22188SS	.68	.25	8	.25
BB221810SS	.68	.25	10	.25



**VINYL
INSULATED**

SC22184SS	.88	.25	4	.25
SC22186SS	.88	.25	6	.25
SC22188SS	.88	.30	8	.25
SC221810SS	.88	.32	10	.25

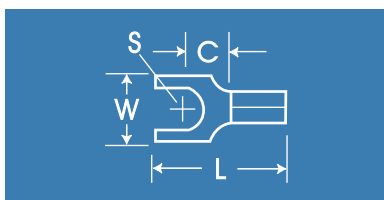


**NYLON
INSULATED**

DC22184SS	.87	.25	4	.25
DC22186SS	.87	.25	6	.25
DC22188SS	.87	.30	8	.25
DC221810SS	.87	.32	10	.25

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .125

**Heat Shrink Covered Available For Many of the Above Terminals.*



SPADE NARROW TERMINALS

TERMINALS 2218



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB22184SN	.65	.25	4	.25
BB22186SN1	.65	.25	6	.25
BB22186SN	.65	.30	6	.25
BB2218SN	.65	.30	8	.25
BB221810SN	.65	.30	10	.25



**VINYL
INSULATED**

SC22184SN	.85	.25	4	.25
SC22186SN1	.85	.25	6	.25
SC22186SN	.85	.30	6	.25
SC22188SN	.85	.30	8	.25
SC221810SN	.85	.30	10	.25

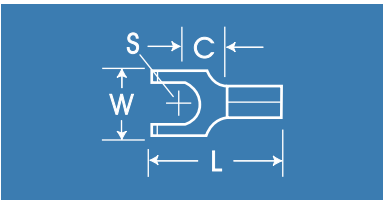


**NYLON
INSULATED**

DC22184SN	.84	.25	4	.25
DC22186SN1	.84	.25	6	.25
DC22186SN	.84	.30	6	.25
DC22188SN	.84	.30	8	.25
DC221810SN	.84	.30	10	.25

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .125

**Heat Shrink Covered Available For Many of the Above Terminals.*



FLANGED SPADE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB22186F	.65	.30	6	.25
BB22188F	.65	.30	8	.25
BB221810F	.65	.30	10	.25



**VINYL
INSULATED**

SC22186F	.85	.30	6	.25
SC22188F	.85	.30	8	.25
SC221810F	.85	.30	10	.25

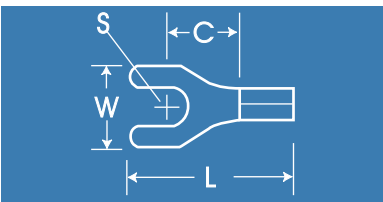


**NYLON
INSULATED**

DC22186F	.84	.30	6	.25
DC22188F	.84	.30	8	.25
DC221810F	.84	.30	10	.25

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .125

**Heat Shrink Covered Available For Many of the Above Terminals.*



SPADE TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB22186S	.70	.34	6	.29
BB22188S	.70	.34	8	.29
BB221810S	.70	.34	10	.29



**VINYL
INSULATED**

SC22186S	.90	.34	6	.29
SC22188S	.90	.34	8	.29
SC221810S	.90	.34	10	.29

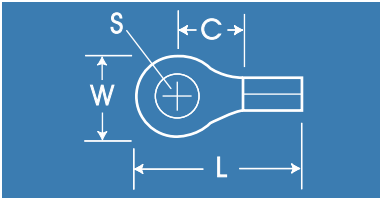


**NYLON
INSULATED**

DC22186S	.89	.34	6	.29
DC22188S	.89	.34	8	.29
DC221810S	.89	.34	10	.29

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .125

**Heat Shrink Covered Available For Many of the Above Terminals.*



RING TONGUE TERMINALS

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16142RS	.60	.25	2	.22
BB16144RS	.60	.25	4	.22
BB16146RS	.60	.25	6	.22
BB16146R	.70	.33	6	.29
BB16148RS	.60	.25	8	.22
BB16148R	.70	.33	8	.29
BB161410R	.70	.33	10	.29
BB161414R	.89	.47	1/4	.40
BB161456RS	.88	.47	5/16	.40
BB161456R	.93	.56	5/16	.40
BB161438R	.93	.56	3/8	.40
BB161412R	1.12	.75	1/2	.57
SC16142RS	.80	.25	2	.23
SC16144RS	.80	.25	4	.22
SC16146RS	.80	.25	6	.22
SC16146R	.90	.33	6	.29
SC16148RS	.80	.25	8	.22
SC16148R	.90	.33	8	.29
SC161410R	.90	.33	10	.29
SC161414R	1.08	.47	1/4	.40
SC161456RS	1.08	.47	5/16	.40
SC161456R	1.13	.56	5/16	.40
SC161438R	1.13	.56	3/8	.40
SC161412R	1.34	.75	1/2	.57
DC16142RS	.81	.25	2	.22
DC16144RS	.81	.25	4	.22
DC16146RS	.81	.25	6	.22
DC16146R	.91	.33	6	.29
DC16148RS	.81	.25	8	.22
DC16148R	.91	.33	8	.29
DC161410R	.89	.33	10	.29
DC161414R	1.09	.47	1/4	.40
DC161456RS	1.09	.47	5/16	.40
DC161456R	1.14	.56	5/16	.40
DC161438R	1.14	.56	3/8	.40
DC161412R	1.34	.75	1/2	.57



**BARE
BRAZED**



**VINYL
INSULATED**

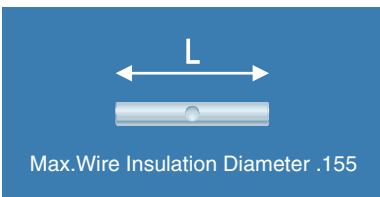


**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .155



*Heat Shrink Covered Available For Many of the Above Terminals.



STOP CONNECTORS



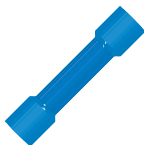
**NON-
INSULATED
BRAZED
SEAM (BARE)**

PRODUCT NO.	LENGTH (L)
BB1614SC	.66



**NYLON
INSULATED
SEAMLESS**

PRODUCT NO.	LENGTH (L)
NSC1614SCE	1.02



**VINYL
INSULATED
BUTTED
SEAM**

SC1614SC	1.00
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**NYLON
INSULATED
WITH INSUL.
SUPPORT**

NDC1614SC	1.00
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**VINYL
INSULATED
SEAMLESS**

SC1614SCS	1.12
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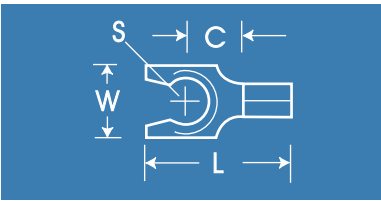
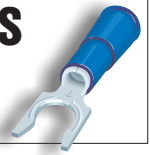


**MOISTURE
RESISTANT**

MRB1614SC	1.00
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*Filled with a Moisture Resistant Electrical Sealant.

*Heat Shrink Covered Available For Many of the Above Terminals.



SNAP SPADE TERMINALS



**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16144SS	.68	.25	4	.25
BB16146SS	.68	.25	6	.25
BB16148SS	.68	.30	8	.25
BB161410SS	.68	.32	10	.25
BB161414SS	.68	.43	1/4	.40



**VINYL
INSULATED**

SC16144SS	.88	.25	4	.25
SC16146SS	.88	.25	6	.25
SC16148SS	.88	.30	8	.25
SC161410SS	.88	.32	10	.25
SC161414SS	1.10	.43	1/4	.40

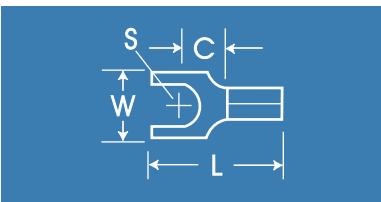


**NYLON
INSULATED**

DC16144SS	.89	.25	4	.25
DC16146SS	.89	.24	6	.25
DC16148SS	.89	.30	8	.25
DC161410SS	.89	.32	10	.25
DC161414SS	1.11	.43	1/4	.40

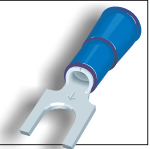
WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .155

**Heat Shrink Covered Available For Many of the Above Terminals.*



SPADE NARROW TERMINALS

TERMINALS 1614



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16144SN	.65	.25	4	.25
BB16146SN1	.65	.25	6	.25
BB16146SN	.65	.30	6	.25
BB16148SN	.65	.30	8	.25
BB161410SN	.65	.30	10	.25



**VINYL
INSULATED**

SC16144SN	.85	.25	4	.25
SC16146SN1	.85	.25	6	.25
SC16146SN	.85	.30	6	.25
SC16148SN	.85	.30	8	.25
SC161410SN	.85	.30	10	.25

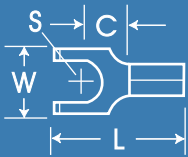
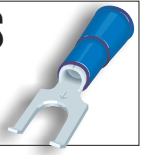


**NYLON
INSULATED**

DC16144SN	.86	.25	4	.25
DC16146SN1	.86	.25	6	.25
DC16146SN	.86	.30	6	.25
DC16148SN	.86	.30	8	.25
DC161410SN	.86	.30	10	.25

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .155

**Heat Shrink Covered Available For Many of the Above Terminals.*



FLANGED SPADE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16146F	.65	.30	6	.25
BB16148F	.65	.30	8	.25
BB161410F	.65	.30	10	.25



**VINYL
INSULATED**

SC16146F	.85	.30	6	.25
SC16148F	.85	.30	8	.25
SC161410F	.85	.30	10	.25

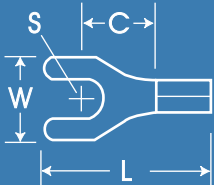


**NYLON
INSULATED**

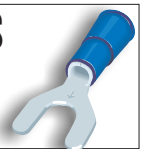
DC16146F	.86	.30	6	.25
DC16148F	.86	.30	8	.25
DC161410F	.86	.30	10	.25

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .155

**Heat Shrink Covered Available For Many of the Above Terminals.*



SPADE TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16146S	.70	.34	6	.29
BB16148S	.70	.34	8	.29
BB161410S	.70	.34	10	.29



**VINYL
INSULATED**

SC16146S	.90	.34	6	.29
SC16148S	.90	.34	8	.29
SC161410S	.90	.34	10	.29

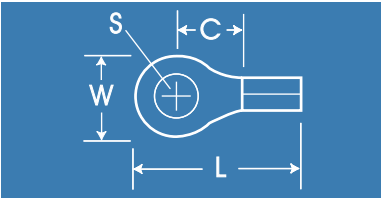


**NYLON
INSULATED**

DC16146S	.91	.34	6	.29
DC16148S	.91	.34	8	.29
DC161410S	.91	.34	10	.29

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .155

**Heat Shrink Covered Available For Many of the Above Terminals.*



RING TONGUE TERMINALS

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB12104RS	.68	.28	4	.29
BB12106RS	.68	.28	6	.29
BB12106R	.73	.38	6	.29
BB12108RS	.68	.28	8	.29
BB12108R	.73	.38	8	.29
BB121010R	.73	.38	10	.29
BB121014RS	.96	.54	1/4	.44
BB121014R	.99	.59	1/4	.44
BB121056R	.99	.59	5/16	.44
BB121038R	.99	.59	3/8	.44
BB121076R	1.19	.75	7/16	.44
BB121012R	1.19	.75	1/2	.57
SC12104RS	.98	.28	4	.29
SC12106RS	.98	.28	6	.29
SC12106R	1.03	.38	6	.29
SC12108RS	.98	.28	8	.29
SC12108R	1.03	.38	8	.29
SC121010R	1.03	.38	10	.29
SC121014RS	1.26	.53	1/4	.44
SC121014R	1.29	.59	1/4	.44
SC121056R	1.29	.59	5/16	.44
SC121038R	1.29	.59	3/8	.44
SC121076R	1.49	.75	7/16	.57
SC121012R	1.50	.75	1/2	.57
DC12104RS	.98	.28	4	.29
DC12106RS	.98	.28	6	.29
DC12106R	1.03	.38	6	.29
DC12108RS	.98	.28	8	.29
DC12108R	1.03	.38	8	.29
DC121010R	1.03	.38	10	.29
DC121014RS	1.26	.53	1/4	.44
DC121014R	1.29	.59	1/4	.44
DC121056R	1.29	.59	5/16	.44
DC121038R	1.29	.59	3/8	.44
DC121076R	1.49	.75	7/16	.44
DC121012R	1.50	.75	1/2	.57



**BARE
BRAZED**



**VINYL
INSULATED**

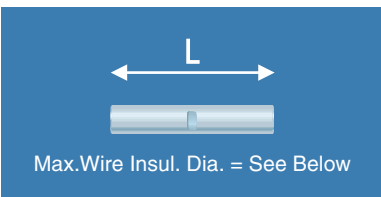


**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250



*Heat Shrink Covered Available For Many of the Above Terminals.

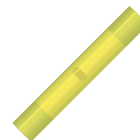


STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM (BARE)**
Max. Wire Insulation
Diameter .212

PRODUCT NO.	LENGTH (L)
BB1210SC	.81



**NYLON
INSULATED
SEAMLESS**
Max. Wire Insulation
Diameter .218

PRODUCT NO.	LENGTH (L)
NSC1210SCE	1.20



**VINYL
INSULATED
BUTTED
SEAM**
Max. Wire Insulation
Diameter .260

SC1210SC	1.02
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**NYLON
INSULATED
WITH INSUL.
SUPPORT**
Max. Wire Insulation
Diameter .212

NDC1210SC	1.15
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**VINYL
INSULATED
SEAMLESS**
Max. Wire Insulation
Diameter .260

SC1210SCS	1.26
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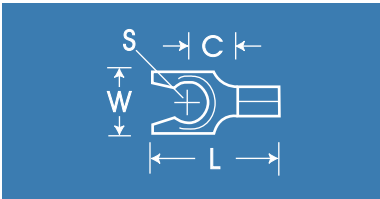


**MOISTURE
RESISTANT**
Max. Wire Insulation
Diameter .212

MRB1210SC	1.15
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*Filled with a Moisture Resistant Electrical Sealant.

*Heat Shrink Covered Available For Many of the Above Terminals.



SNAP SPADE TERMINALS



**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB12106SS	.73	.28	6	.28
BB12108SS	.73	.32	8	.28
BB121010SS	.73	.33	10	.28
BB121014SS	.94	.43	1/4	.44



**VINYL
INSULATED**

SC12106SS	1.03	.28	6	.28
SC12108SS	1.03	.32	8	.28
SC121010SS	1.03	.32	10	.28
SC121014SS	1.24	.43	1/4	.44

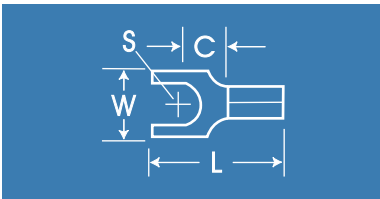


**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250

DC12106SS	1.03	.28	6	.28
DC12108SS	1.03	.32	8	.28
DC121010SS	1.03	.32	10	.28
DC121014SS	1.24	.43	1/4	.44

*Heat Shrink Covered Available For Many of the Above Terminals.



SPADE NARROW TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB12106SN	.73	.32	6	.29
BB12108SN	.73	.32	8	.29
BB121010SN	.73	.32	10	.29



**VINYL
INSULATED**

SC12106SN	1.03	.32	6	.29
SC12108SN	1.03	.32	8	.29
SC121010SN	1.03	.32	10	.29

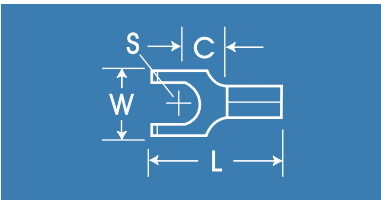


**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250

DC12106SN	1.03	.32	6	.29
DC12108SN	1.03	.32	8	.29
DC121010SN	1.03	.32	10	.29

*Heat Shrink Covered Available For Many of the Above Terminals.



FLANGED SPADE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB12106F	.73	.32	6	.29
BB12108F	.73	.32	8	.29
BB121010F	.73	.32	10	.29



**VINYL
INSULATED**

SC12106F	1.03	.32	6	.29
SC12108F	1.03	.32	8	.29
SC121010F	1.03	.32	10	.29

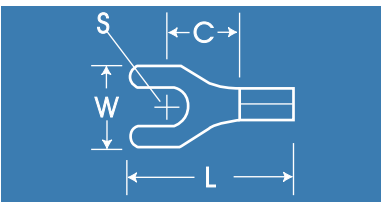


**NYLON
INSULATED**

DC12106F	1.03	.32	6	.29
DC12108F	1.03	.32	8	.29
DC121010F	1.03	.32	10	.29

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250

**Heat Shrink Covered Available For Many of the Above Terminals.*



SPADE TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB12106S	.73	.38	6	.29
BB12108S	.73	.38	8	.29
BB121010S	.73	.38	10	.29
BB121014S	.97	.54	1/4	.39



**VINYL
INSULATED**

SC12106S	1.03	.38	6	.29
SC12108S	1.03	.38	8	.29
SC121010S	1.03	.38	10	.29
SC121014S	1.26	.54	1/4	.39

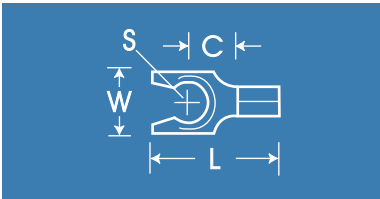


**NYLON
INSULATED**

DC12106S	1.03	.38	6	.29
DC12108S	1.03	.38	8	.29
DC121010S	1.03	.38	10	.29
DC121014S	1.27	.54	1/4	.39

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250

**Heat Shrink Covered Available For Many of the Above Terminals.*



HEAVY DUTY RING TONGUE TERMINALS



**BARE
BRAZED**



**VINYL
INSULATED**



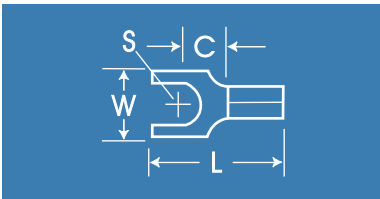
**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250

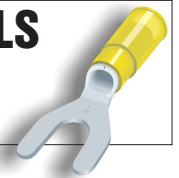


PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16126RS	.68	.28	6	.29
BB16126R	.73	.38	6	.29
BB16128RS	.68	.28	8	.29
BB16128R	.73	.38	8	.29
BB161210R	.73	.38	10	.29
BB161214R	.99	.61	1/4	.44
BB161256R	.99	.61	5/16	.44
BB161238R	.99	.61	3/8	.44
BB161276R	1.19	.75	7/16	.57
BB161212R	1.19	.75	1/2	.57
SC16126RS	.98	.28	6	.29
SC16126R	1.03	.385	6	.29
SC16128RS	.98	.292	8	.29
SC16128R	1.03	.385	8	.29
SC161210R	1.03	.385	10	.29
SC161214R	1.29	.61	1/4	.44
SC161256R	1.29	.61	5/16	.44
SC161238R	1.29	.61	3/8	.44
SC161276R	1.49	.75	7/16	.57
SC161212R	1.50	.75	1/2	.57
DC16126RS	.98	.28	6	.29
DC16126R	1.03	.38	6	.29
DC16128RS	.98	.28	8	.29
DC16128R	1.03	.38	8	.29
DC161210R	1.03	.38	10	.29
DC161214R	1.29	.61	1/4	.44
DC161256R	1.29	.61	5/16	.44
DC161238R	1.29	.61	3/8	.44
DC161476R	1.49	.75	7/16	.57
DC161212R	1.50	.75	1/2	.57

*Heat Shrink Covered Available For Many of the Above Terminals.



SPADE NARROW TERMINALS



**BARE
BRAZED**



**VINYL
INSULATED**



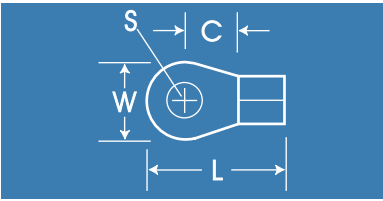
**NYLON
INSULATED**

WITH INSULATION SUPPORT
Max. Wire Insul. Diameter .250



PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB16126S	.73	.38	6	.28
BB16128S	.73	.38	8	.28
BB161210S	.73	.38	10	.28
SC16126S	1.03	.38	6	.28
SC16128S	1.03	.38	8	.28
SC161210S	1.03	.38	10	.28
DC16126S	1.03	.38	6	.28
DC16128S	1.03	.38	8	.28
DC161210S	1.03	.38	10	.28

*Heat Shrink Covered Available For Many of the Above Terminals.



RING TONGUE TERMINALS

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB88R	.91	.38	8	.39
BB810R	.91	.38	10	.39
BB810RW	.95	.47	10	.39
BB814R	.91	.37	1/4	.39
BB814RW	.95	.47	1/4	.39
BB856R	.95	.47	5/16	.39
BB856RW	1.08	.58	5/16	.45
BB838R	1.08	.58	3/8	.45
BB876R	1.09	.58	7/16	.45
BB812R	1.37	.81	1/2	.64
BB812RW	1.95	1.25	1/2	1.00
BB858R	1.95	1.25	5/8	1.00
BB834R	1.95	1.25	3/4	1.00
SC88R	1.20	.38	8	.39
SC810R	1.20	.38	10	.39
SC810RW	1.24	.47	10	.39
SC814R	1.23	.37	1/4	.39
SC814RW	1.24	.47	1/4	.39
SC856R	1.24	.47	5/16	.39
SC856RW	1.36	.58	5/16	.45
SC838R	1.36	.58	3/8	.45
SC876R	1.36	.58	7/16	.45
SC812R	1.66	.81	1/2	.64
SC812RW	2.28	1.25	1/2	1.00
SC858R	2.28	1.25	5/8	1.00
SC834R	2.28	1.25	3/4	1.00
NSC810R	1.38	.59	10	.45
NSC814R	1.26	.47	1/4	.40
NSC814RW	1.38	.59	1/4	.45
NSC856R	1.38	.59	5/16	.45
NSC838R	1.38	.59	3/8	.45
NSC812R	1.72	.81	1/2	.69



**BARE
BRAZED**



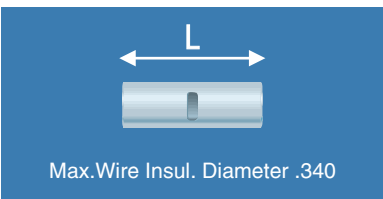
**VINYL
INSULATED**



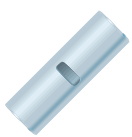
**NYLON
FUNNEL
ENTRY
INSULATED**

Max. Wire Insulation
Diameter .340

*Heat Shrink Covered Available For Many of the Above Terminals.



STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM (BARE)**

Max. Wire Insulation
Diameter .340

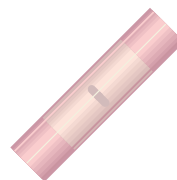
PRODUCT NO.	LENGTH (L)
BB8SC	.81



**VINYL
INSULATED
SEAMLESS**

Max. Wire Insulation
Diameter .310

SC8SC	1.40
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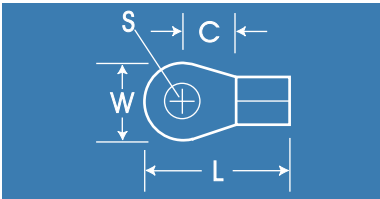


**NYLON
INSULATED
SEAMLESS**

Max. Wire Insulation
Diameter .300

PRODUCT NO.	LENGTH (L)
NSC8SC	1.45

*Heat Shrink Covered Available For Many of the Above Terminals.



RING TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB610R	1.16	.47	10	.54
BB610RW	1.24	.63	10	.54
BB614R	1.18	.47	1/4	.54
BB614RW	1.26	.63	1/4	.54
BB656R	1.18	.47	5/16	.54
BB656RW	1.24	.63	5/16	.54
BB638R	1.20	.63	3/8	.54
BB612R	1.43	.82	1/2	.63
BB612RW	1.96	1.12	1/2	1.01
BB658R	1.96	1.12	5/8	1.01
BB634R	1.96	1.12	3/4	1.01



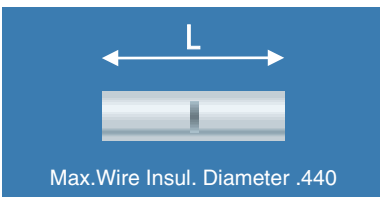
**VINYL
INSULATED**

SC610R	1.53	.47	10	.54
SC610RW	1.60	.63	10	.54
SC614R	1.53	.47	1/4	.54
SC614RW	1.63	.63	1/4	.54
SC656R	1.54	.47	5/16	.54
SC656RW	1.63	.63	5/16	.54
SC638R	1.62	.63	3/8	.54
SC612R	1.87	.82	1/2	.63
SC612RW	2.33	1.12	1/2	1.01
SC658R	2.33	1.12	5/8	1.01
SC634R	2.33	1.12	3/4	1.01

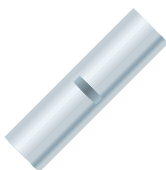


**NYLON
FUNNEL
ENTRY
INSULATED**
Max.Wire Insulation
Diameter .440

NSC610R	1.50	.47	10	.52
NSC614R	1.50	.47	1/4	.52
NSC656R	1.58	.63	5/16	.52
NSC638R	1.58	.63	3/8	.52
NSC612R	1.78	.81	1/2	.63

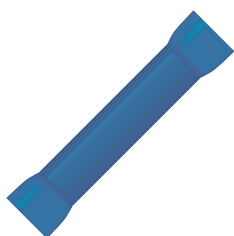


STOP CONNECTORS



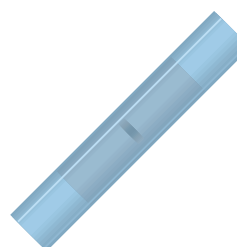
**NON-
INSULATED
BRAZED
SEAM (BARE)**
Max.Wire Insulation
Diameter .440

PRODUCT NO.	LENGTH (L)
BB6SC	1.02



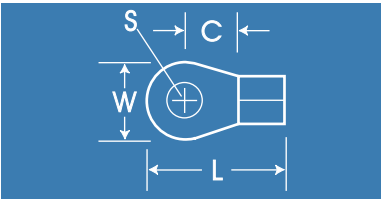
**VINYL
INSULATED
SEAMLESS**
Max.Wire Insulation
Diameter .440

SC6SC	1.69
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**NYLON
INSULATED
SEAMLESS**
Max.Wire Insulation
Diameter .440

PRODUCT NO.	LENGTH (L)
NSC6SC	1.86



RING TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB410R	1.22	.48	10	.55
BB414R	1.22	.48	1/4	.55
BB414RW	1.30	.66	1/4	.50
BB456R	1.23	.48	5/16	.55
BB456RW	1.30	.66	5/16	.50
BB438R	1.30	.66	3/8	.50
BB438RW	1.93	.89	3/8	1.02
BB476R	1.30	.66	7/16	.50
BB412R	1.39	.67	1/2	.55
BB458R	2.10	1.25	5/8	1.00
BB434R	2.10	1.25	3/4	1.00



**VINYL
INSULATED**

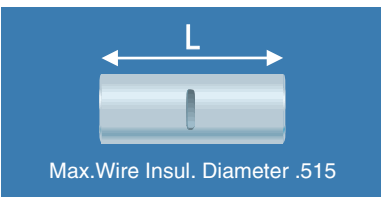
SC410R	1.76	.48	10	.55
SC414R	1.76	.48	1/4	.55
SC414RW	1.78	.66	1/4	.50
SC456R	1.67	.48	5/16	.55
SC456RW	1.78	.66	5/16	.50
SC438R	1.78	.66	3/8	.50
SC438RW	2.38	.89	3/8	1.02
SC476R	1.78	.66	7/16	.50
SC412R	1.80	.67	1/2	.55
SC458R	2.51	1.25	5/8	1.00
SC434R	2.51	1.25	3/4	1.00



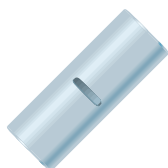
**NYLON
FUNNEL
ENTRY
INSULATED**

Max. Wire Insulation
Diameter .515

NSC410R	1.74	.68	10	.53
NSC414R	1.74	.68	1/4	.53
NSC456R	1.74	.68	5/16	.53
NSC438R	1.74	.68	3/8	.53
NSC476R	1.74	.68	7/16	.53
NSC412R	1.74	.68	1/2	.53
NSC458R	2.45	1.25	5/8	.95
NSC434R	2.45	1.25	3/4	.95



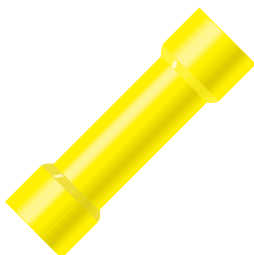
STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM (BARE)**

Max. Wire Insulation
Diameter .515

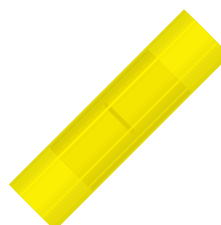
PRODUCT NO.	LENGTH (L)
BB4SC	1.13



**VINYL
INSULATED
SEAMLESS**

Max. Wire Insulation
Diameter .515

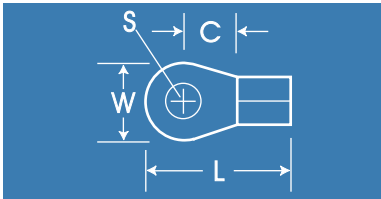
SC4SC	2.12
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**NYLON
INSULATED
SEAMLESS**

Max. Wire Insulation
Diameter .515

PRODUCT NO.	LENGTH (L)
NSC4SC	2.04



RING TONGUE TERMINALS



**BARE
BRAZED**

PRODUCT NO.	LENGTH (L)	WIDTH (W)	STUD SIZE (S)	CLEAR (C)
BB214R	1.44	.60	1/4	.60
BB214RW	1.50	.70	1/4	.60
BB256R	1.56	.63	5/16	.70
BB256RW	1.69	.87	5/16	.72
BB238R	1.49	.70	3/8	.60
BB238RW	1.54	.81	3/8	.60
BB212R	1.56	.81	1/2	.60



**VINYL
INSULATED**

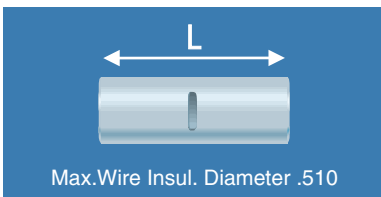
SC214R	1.90	.60	1/4	.60
SC214RW	1.95	.70	1/4	.60
SC256R	1.95	.63	5/16	.70
SC256RW	2.19	.87	5/16	.72
SC238R	1.95	.70	3/8	.60
SC238RW	1.95	.81	3/8	.60
SC212R	2.00	.81	1/2	.60



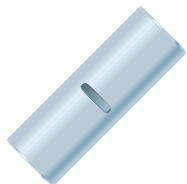
**NYLON
FUNNEL
ENTRY
INSULATED**

Max. Wire Insulation
Diameter .510

NSC214R	1.93	.60	1/4	.60
NSC214RW	2.00	.70	1/4	.60
NSC256R	2.00	.70	5/16	.60
NSC238R	2.00	.70	3/8	.60
NSC238RW	2.20	.81	3/8	.60
NSC212R	2.20	.81	1/2	.60



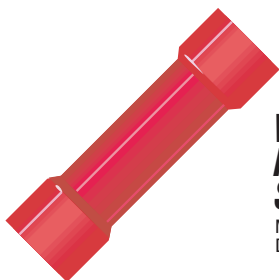
STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM (BARE)**

Max. Wire Insulation
Diameter .510

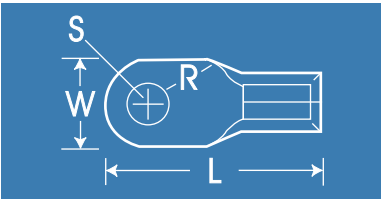
PRODUCT NO.	LENGTH (L)
BB2SC	1.13



**VINYL
INSULATED
SEAMLESS**

Max. Wire Insulation
Diameter .510

SC2SC	2.12
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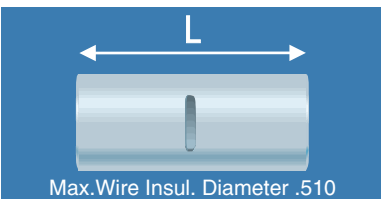


RING TONGUE TERMINALS

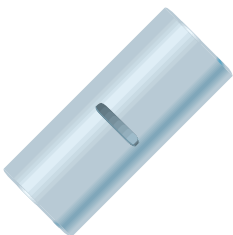
PRODUCT NO.	LENGTH (L)	WIDTH (W)	WIRE SIZE	STUD SIZE (S)	WASHER RADIUS (R)	STOCK THICKNESS
BB1014R	1.95	.82	1/0	1/4	.770	.075
BB1056R	1.95	.82	1/0	5/16	.770	.075
BB1038R	1.95	.82	1/0	3/8	.770	.075
BB1012R	1.98	.88	1/0	1/2	.770	.075
BB1058R	2.70	1.25	1/0	5/8	1.302	.075
BB1034R	2.70	1.25	1/0	3/4	1.302	.075
BB2056R	2.05	.93	2/0	5/16	.760	.083
BB2038R	2.05	.93	2/0	3/8	.760	.083
BB2012R	2.05	.93	2/0	1/2	.760	.083
BB2058R	2.72	1.26	2/0	5/8	1.267	.083
BB2034R	2.72	1.26	2/0	3/4	1.267	.083
BB3056R	2.18	1.05	3/0	5/16	.825	.095
BB3038R	2.18	1.05	3/0	3/8	.825	.095
BB3012R	2.18	1.05	3/0	1/2	.825	.095
BB3058R	2.75	1.24	3/0	5/8	1.294	.095
BB3034R	2.75	1.24	3/0	3/4	1.294	.095
BB4038R	2.24	1.12	4/0	3/8	.850	1.05
BB4012R	2.24	1.12	4/0	1/2	.850	1.05
BB4058R	2.77	1.24	4/0	5/8	1.320	1.05
BB4034R	2.77	1.24	4/0	3/4	1.320	1.05



**BARE
BRAZED**



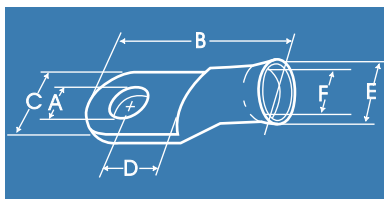
STOP CONNECTORS



**NON-
INSULATED
BRAZED
SEAM
(BARE)**

Max. Wire Insulation
Diameter .510

PRODUCT NO.	LENGTH (L)
BB10SC	1.40
BB20SC	1.48
BB30SC	1.50
BB40SC	1.50



HEAVY DUTY LUGS for CRIMP or SOLDER APPLICATION

8 thru 1 Gauge

PRODUCT NO.	LENGTH (L)	WIDTH OF PAD (WP)	WIRE SIZE	STUD SIZE (S)	CLEARANCE (C)	BARREL O.D.(E)	I.D.(F)
CL810R	1.20	.45	8	3/16 (10)	.34	.250	.186
CL814R	1.20	.45	8	1/4	.34	.250	.186
CL856R	1.20	.45	8	5/16	.34	.250	.186
CL838R	1.34	.61	8	3/8	.41	.250	.186
CL812R	1.48	.77	8	1/2	.47	.250	.186

CL610R	1.265	.438	6	3/16 (10)	.344	.312	.232
CL614R	1.265	.438	6	1/4	.344	.312	.232
CL656R	1.265	.438	6	5/16	.344	.312	.232
CL638R	1.41	.61	6	3/8	.41	.312	.232
CL612R	1.56	.77	6	1/2	.47	.312	.232

CL410R	1.50	.531	4	3/16 (10)	.406	.375	.286
CL414R	1.50	.531	4	1/4	.406	.375	.286
CL456R	1.50	.531	4	5/16	.406	.375	.286
CL438R	1.55	.625	4	3/8	.406	.375	.286
CL412R	1.69	.77	4	1/2	.47	.375	.286

CL214R	1.625	.609	2	1/4	.406	.437	.336
CL256R	1.625	.609	2	5/16	.406	.437	.336
CL238R	1.625	.609	2	3/8	.406	.437	.336
CL212R	1.750	.766	2	1/2	.468	.437	.336

CL114R	1.718	.672	1	1/4	.406	.465	.360
CL156R	1.718	.672	1	5/16	.406	.465	.360
CL138R	1.718	.672	1	3/8	.406	.465	.360
CL112R	1.718	.672	1	1/2	.406	.465	.360

*FOR TINNED LUGS USE "CLT-" Prefix instead of "CL" Prefix in PRODUCT NO. when Specifying or Ordering:

e.g. CL812R = Copper
CLT812R = Tinned Copper



ELECTROLYTIC COPPER



TINNED ELECTROLYTIC COPPER

FEATURES

- Flared for easy wire insertion
- High Grade Electrolytic Copper
- Fully annealed for secure crimping

1/0 thru 4/0

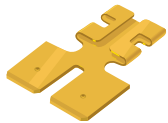
PRODUCT NO.	LENGTH (L)	WIDTH OF PAD (WP)	WIRE SIZE	STUD SIZE (S)	CLEARANCE (C)	BARREL O.D.(E)	I.D.(F)
CL1014R	1.843	.734	1/0	1/4	.406	.515	.407
CL1056R	1.843	.734	1/0	5/16	.406	.515	.407
CL1038R	1.843	.734	1/0	3/8	.406	.515	.407
CL1012R	1.843	.734	1/0	1/2	.406	.515	.407

CL2014R	2.063	.813	2/0	1/4	.500	.570	.461
CL2056R	2.063	.813	2/0	5/16	.500	.570	.461
CL2038R	2.063	.813	2/0	3/8	.500	.570	.461
CL2012R	2.063	.813	2/0	1/2	.500	.570	.461

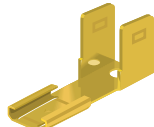
CL3014R	2.172	.906	3/0	1/4	.500	.630	.511
CL3056R	2.172	.906	3/0	5/16	.500	.630	.511
CL3038R	2.172	.906	3/0	3/8	.500	.630	.511
CL3012R	2.172	.906	3/0	1/2	.500	.630	.511

CL4014R	2.244	.984	4/0	1/4	.547	.690	.559
CL4056R	2.344	.984	4/0	5/16	.547	.690	.559
CL4038R	2.344	.984	4/0	3/8	.547	.690	.559
CL4012R	2.344	.984	4/0	1/2	.547	.690	.559

.250 ADAPTERS



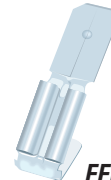
EFFMA



EFFMARA



EFFMAC

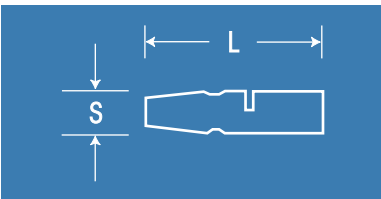


EFMFM



EFSTF

.250 TERMINALS



MALE SNAP PLUGS

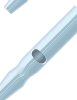
2218



1614



1210



NON-INSULATED BUTTED SEAM

PRODUCT NO.	LENGTH (L)	WIRE SIZE	SNAP DIAMETER (S)
BB2218SP	.65	22-18	.156
BB2218SPF	.68	22-18	.180
BB1614SP	.65	16-14	.156
BB1614SPF	.68	16-14	.180
BB1210SP	.61	12-10	.156

2218



1614



1210



VINYL INSULATED

SC2218SP	.85	22-18	.156
SC2218SPF	.85	22-18	.180
SC1614SP	.85	16-14	.156
SC1614SPF	.85	16-14	.180
SC1210SP	.94	12-10	.156

2218



1614



1210



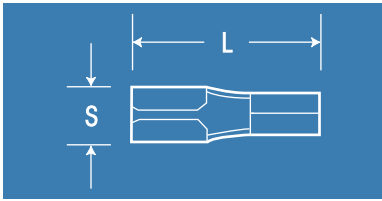
NYLON INSULATED



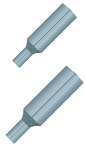
WITH INSULATION SUPPORT

DC2218SP	.85	22-18	.156
DC2218SPF	.85	22-18	.180
DC1614SP	.87	16-14	.156
DC1614SPF	.87	16-14	.180
DC1210SP	.94	12-10	.156

*Heat Shrink Covered Available For Many of the Above Terminals.

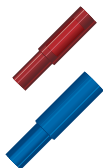


FEMALE SNAP RECEPTACLES



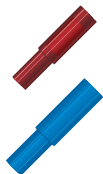
2218
1614
NON-INSULATED BUTTED SEAM

PRODUCT NO.	LENGTH (L)	WIRE SIZE	SNAP DIAMETER (S)
BB2218SL	.62	22-18	.157
BB2218SLF	.67	22-18	.176
BB1614SL	.62	16-14	.157
BB1614SLF	.67	16-14	.176



2218
1614
VINYL INSULATED

SC2218SL	1.02	22-18	.156
SC2218SLF	1.02	22-18	.180
SC1614SL	1.02	16-14	.156
SC1614SLF	1.02	16-14	.180



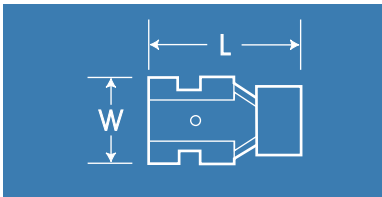
2218
1614
NYLON INSULATED



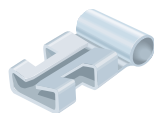
WITH INSULATION SUPPORT

DC2218SL	1.02	22-18	.156
DC2218SLF	1.02	22-18	.180
DC1614SL	1.02	16-14	.156
DC1614SLF	1.02	16-14	.180

*Heat Shrink Covered Available For Many of the Above Terminals.

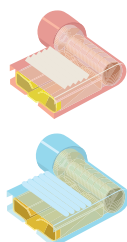
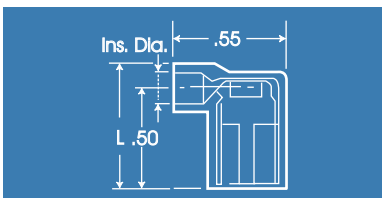


FEMALE FLAG QUICK CONNECTS



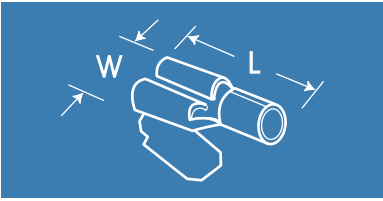
NON-INSULATED BUTTED SEAM

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
BBS2218-FLF	.50	22-18	.250	.032
BBS1614-FLF	.51	16-14	.250	.032
BBS1210-FLF	.63	12-10	.250	.032



FULLY INSULATED

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
SC2218FLFFI	.61	22-18	.250	.032
SC1614FLFFI	.63	16-14	.250	.032

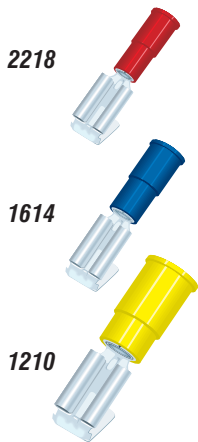


PIGGY BACK FASTENERS



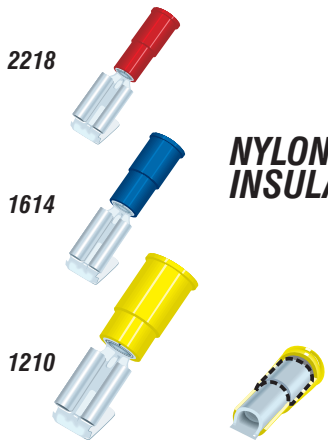
**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
BB2218PBF	.66	22-18	.250	.032
BB1614PBF	.66	16-14	.250	.032



**VINYL
INSULATED**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
SC2218PBF	.87	22-18	.250	.032
SC1614PBF	.87	16-14	.250	.032
SC1210PBF	1.000	12-10	.250	.032

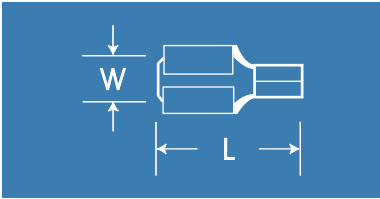


**NYLON
INSULATED**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
DC2218PBF	.86	22-18	.250	.032
DC1614PBF	.88	16-14	.250	.032
DC1210PBF	1.000	12-10	.250	.032

*Heat Shrink Covered Available For Many of the Above Terminals.

WITH INSULATION SUPPORT
Max.Wire Insulation Diameter .145



FEMALE QUICK CONNECT TERMINALS

2218



1614



1210



**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
BB2218FFJ	.58	22-18	.187	.020
BB2218FF	.66	22-18	.250	.032
BB1614FFT	.54	16-14	.110	.020
BB1614FFJ	.58	16-14	.187	.020
BB1614FF	.66	16-14	.250	.032
BB1210FF	.66	12-10	.250	.032

2218



1614



1210



**VINYL
INSULATED**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
SC2218FFJ	.78	22-18	.187	.020
SC2218FF	.87	22-18	.250	.032
SC1614FFT	.81	16-14	.110	.020
SC1614FFJ	.78	16-14	.187	.020
SC1614FF	.87	16-14	.250	.032
SC1210FF	.95	12-10	.250	.032
SC121038FF	1.23	12-10	.375	.050

2218



1614



1210



**NYLON
INSULATED**

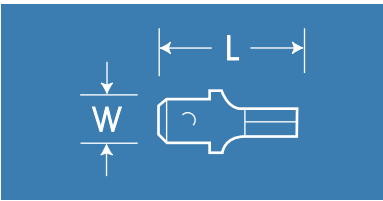
PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
DC2620FFT	.63	26-20	.110	.020
DC2218FFJ	.77	22-18	.187	.020
DC2218FF	.86	22-18	.250	.032
DC1614FFT	.80	16-14	.110	.020
DC1614FFJ	.77	16-14	.187	.020
DC1614FF	.86	16-14	.250	.032
DC1210FF	.96	12-10	.250	.032
DC121038FF	1.23	12-10	.375	.050

*Heat Shrink Covered Available For Many of the Above Terminals.

WITH INSULATION SUPPORT
Max.Wire Insulation Diameter .145



MALE QUICK CONNECT TERMINALS



2218



1614



1210



**BARE
SPLIT**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
BB2218FMJ	.85	22-18	.187	.020
BB2218FM	.93	22-18	.250	.032
BB1614FMJ	.85	16-14	.187	.020
BB1614FM	.93	16-14	.250	.032
BB1210FM	1.05	12-10	.250	.032

2218



1614



1210



**VINYL
INSULATED**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
SC2218FMJ	.85	22-18	.187	.020
SC2218FM	.93	22-18	.250	.032
SC1614FMJ	.85	16-14	.187	.020
SC1614FM	.93	16-14	.250	.032
SC1210FM	1.05	12-10	.250	.032

2218



1614



1210



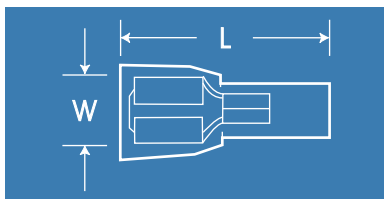
**NYLON
INSULATED**

PRODUCT NO.	LENGTH (L)	WIRE SIZE	TAB WIDTH (W)	TAB THICKNESS
DC2218FMJ	.84	22-18	.187	.020
DC2218FM	.92	22-18	.250	.032
DC1614FMJ	.84	16-14	.187	.020
DC1614FM	.94	16-14	.250	.032
DC1210FM	1.05	12-10	.250	.032

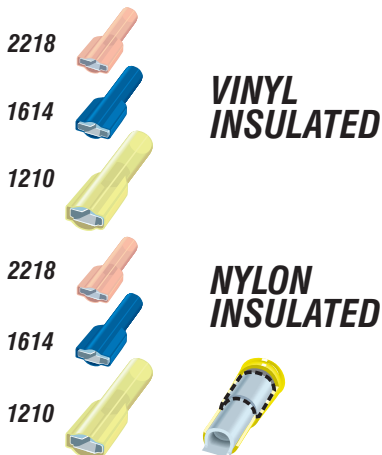
**Heat Shrink Covered Available For Many of the Above Terminals.*

WITH INSULATION SUPPORT
Max. Wire Insulation Diameter .145

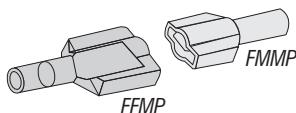




FEMALE FULLY INSULATED QUICK CONNECT TERMINALS



WITH INSULATION SUPPORT
Max. Wire Insulation Diameter .145



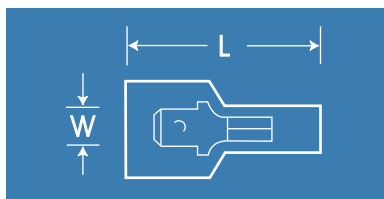
PRODUCT NO.	LENGTH (L)	WIRE SIZE	SNAP DIAMETERS (S)	
SC2218FFMPJ	.81	22-18	.187	.020
SC2218FFMP	.87	22-18	.250	.032
SC1614FFMPJ	.81	16-14	.187	.020
SC1614FFMP	.87	16-14	.250	.032
SC1210FFMP	.99	12-10	.250	.032

DC2218FFMPJ	.81	22-18	.187	.020
DC2218FFMP	.87	22-18	.250	.032
DC1614FFMPJ	.81	16-14	.187	.020
DC1614FFMP	.87	16-14	.250	.032
DC1210FFMP	.99	12-10	.250	.032

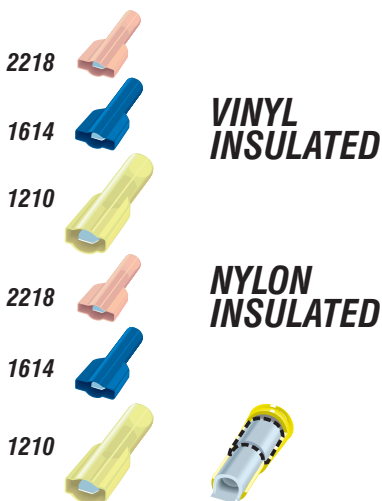
*Heat Shrink Covered Available For Many of the Above Terminals.

Female Fully Insulated Quick Connect Terminals with product numbers ending with the suffix "MP" mate with Male Quick Connect Terminals of the SAME WIRE RANGE and TAB WIDTH with product numbers also ending with "MP". This coupling is a FULLY INSULATED Connection.

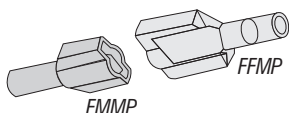
For Example: DC1614FFMP mates with DC1614FMMP



MALE FULLY INSULATED QUICK CONNECT TERMINALS



WITH INSULATION SUPPORT
Max. Wire Insulation Diameter .145



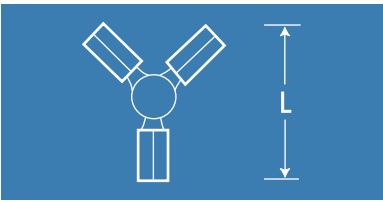
PRODUCT NO.	LENGTH (L)	WIRE SIZE	SNAP DIAMETERS (S)	
SC2218FMMPJ	.87	22-18	.187	.020
SC2218FMMP	.95	22-18	.250	.032
SC1614FMMPJ	.87	16-14	.187	.020
SC1614FMMP	.95	16-14	.250	.032
SC1210FMMP	1.05	12-10	.250	.032

DC2218FMMPJ	.87	22-18	.187	.020
DC2218FMMP	.95	22-18	.250	.032
DC1614FMMPJ	.87	16-14	.187	.020
DC1614FMMP	.95	16-14	.250	.032
DC1210FMMP	1.05	12-10	.250	.032

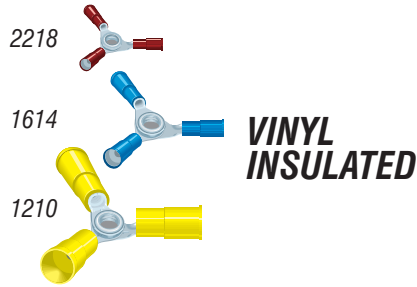
*Heat Shrink Covered Available For Many of the Above Terminals.

Male Fully Insulated Quick Connect Terminals with product numbers ending with the suffix "MP" mate with Female Quick Connect Terminals of the SAME WIRE RANGE and TAB WIDTH with product numbers also ending with "MP". This coupling is a FULLY INSULATED Connection.

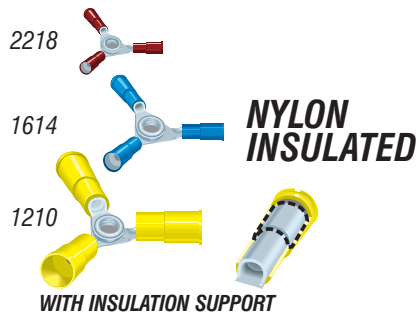
For Example: DC1614FMMP mates with DC1614FFMP



3-WAY CONNECTORS

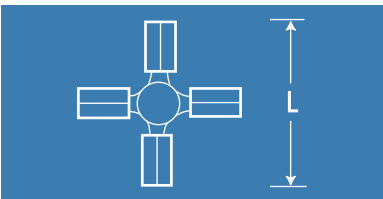


PRODUCT NO.	LENGTH (L)	WIRE SIZE	STOCK THICKNESS
SC22183W	1.23	22-18	.030
SC16143W	1.23	16-14	.030
SC12103W	1.39	12-10	.040

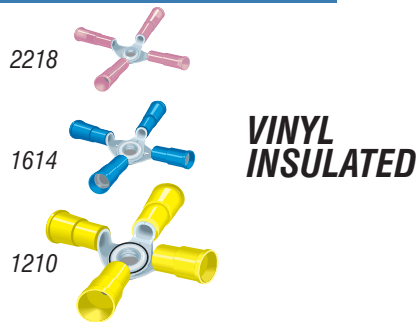


DC22183W	1.21	22-18	.030
DC16143W	1.25	16-14	.030
DC12103W	1.39	12-10	.040

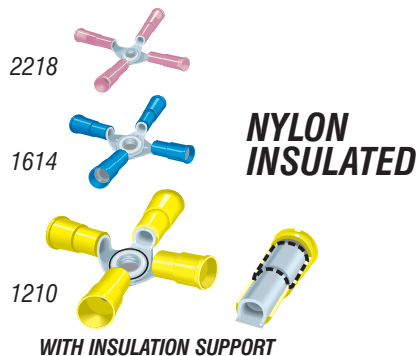
*Heat Shrink Covered Available For Many of the Above Terminals.



4-WAY CONNECTORS

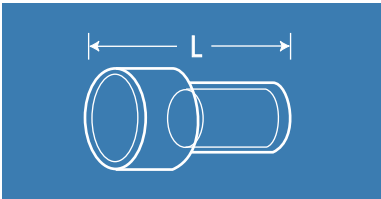


PRODUCT NO.	LENGTH (L)	WIRE SIZE	STOCK THICKNESS
SC22184W	1.48	22-18	.030
SC16144W	1.48	16-14	.030
SC12104W	1.68	12-10	.040



DC22184W	1.46	22-18	.030
DC16144W	1.50	16-14	.030
DC12104W	1.68	12-10	.040

*Heat Shrink Covered Available For Many of the Above Terminals.



DEAD END CONNECTORS

PRODUCT NO.	LENGTH (L)	WIRE SIZE
DC2214	.73	22-14
DC1810	.73	18-10
DC8	1.08	18-8

WIRE GAUGE CONVERSION CHART

MOVE DECIMAL POINT (3) PLACES TO THE RIGHT TO READ mils

AWG	DIAMETER IN Inches	CMA	AWG	DIAMETER IN Inches	CMA
4/0	.460	212,000	19	.036	1,290
3/0	.410	168,000	20	.032	1,020
2/0	.365	133,000	21	.0285	810
1/0	.325	106,000	22	.0253	642
1	.289	83,700	23	.0226	509
2	.258	66,400	24	.0201	404
3	.229	52,600	25	.0179	320
4	.204	41,700	26	.0159	254
5	.182	33,100	27	.0142	202
6	.162	26,300	28	.0126	160
7	.144	20,800	29	.0113	127
8	.128	16,500	30	.0100	101
9	.114	13,100	31	.0089	79.7
10	.102	10,400	32	.0080	63.2
11	.091	8,230	33	.0071	50.1
12	.081	6,530	34	.0063	39.8
13	.072	5,180	35	.0056	31.5
14	.064	4,110	36	.0050	25.0
15	.057	3,260	37	.0045	19.8
16	.051	2,580	38	.0040	15.7
17	.045	2,050	39	.0035	12.5
18	.040	1,620	40	.0031	9.9

WIRE and CABLE CARRYING CAPACITIES CHART

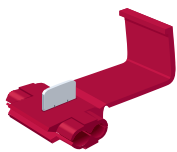
CABLE GAUGE	LIGHT CIRCUIT CABLE (Continuous Duty)	BATTERY CABLE (Intermittent Duty)	WELDING CABLE (Up to 50 feet)
18	3 Amperes	.....	.....
16	6 Amperes	.....	.....
14	15 Amperes	.....	.....
12	20 Amperes	.....	.....
10	25 Amperes	.....	.....
8	35 Amperes	.....	.....
6	50 Amperes	90 Amperes	60 Amperes
4	.....	125 Amperes	150 Amperes
2	.....	150 Amperes	200 Amperes
1	.....	200 Amperes	250 Amperes
1/0	.....	225 Amperes	300 Amperes
2/0	.....	275 Amperes	400 Amperes
3/0	.....	325 Amperes	.....
4/0	.....	.....	.....

NOTE: Intermittent Duty Battery Cable is capable of carrying 200% of its rated ampere capacity.

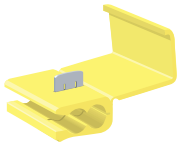
To determine ampere loads in lamp circuits, add the candle power in the circuit and divide that figure by 8.

TAP CONNECTORS

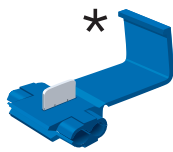
Tap Connectors create quick and easy in-line pigtail and tap splices on 10 Gauge through 22 Gauge solid or stranded wire without stripping. Using only standard pliers, Tap Connectors can be fully installed on 6, 12, 24, and 48 volt systems on any truck, auto, boat, trailer or van wiring application.



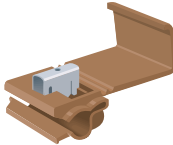
ML-2218
For 22 through 18 gauge wire. Used for low voltage accessories.



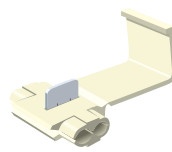
ML-1210
For 12 through 10 gauge wire. UL listed for 600 volts on tap splices.



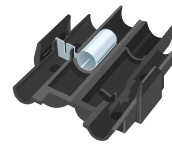
ML-1614 *
For 18 through 14 gauge wire. UL listed for 600 volts on tap connection only.



ML-1610
For 16 through 10 gauge wire. UL listed for 600 volts on tap splices.

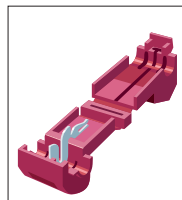


ML-1814
For 18 through 14 gauge wire. Similar to ML-1614 except it does not have a stop. This allows a parallel set of wires to be connected.



ML-1814TSPR
For 18 through 14 gauge wire. Designed for use with snap plugs for quick connections or disconnection from trailers.

*** Filled with a Moisture Resistant Electrical Sealant. Specify ML-1614MR**

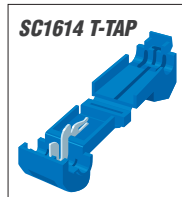


PROD. #

SC2218 T-TAP

WIRE RANGE

22-18



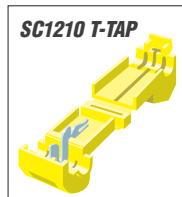
SC1614 T-TAP

PROD. #

SC1614 T-TAP

WIRE RANGE

16-14



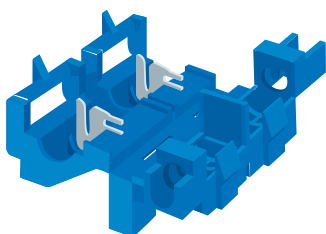
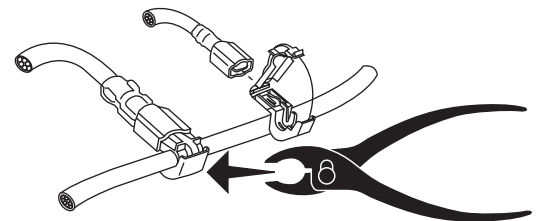
SC1210 T-TAP

PROD. #

SC1210 T-TAP

WIRE RANGE

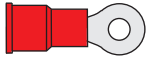
12-10



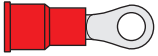
TAP CONNECTOR FUSE HOLDER

ML-1614TCD Tap Connector Fuse Holders allow for quick and easy installation of an in-line fuse. Our Tap Connector Fuse Holders operate at a range of 0-20 amps at 32 volts maximum. For use with BUSS attached fuses (Littelfuse ATO Series).

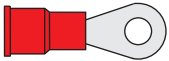
22-18 WIRE RANGE-RINGS



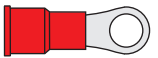
SC22184RS
DC22184RS



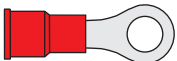
SC22186RS
DC22186RS



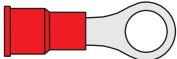
SC22186R
DC22186R



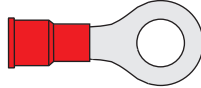
SC22188RS
DC22188RS



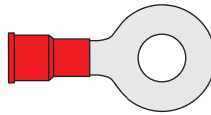
SC22188R
DC22188R



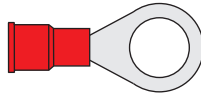
SC221810R
DC221810R



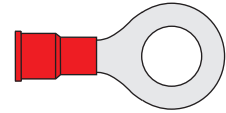
SC221814R
DC221814R



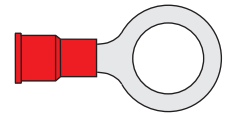
SC221814RW
DC221814RW



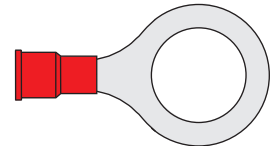
SC221856R
DC221856R



SC221856R
DC221856R

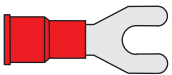


SC221838R
DC221838R

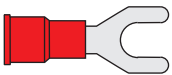


SC221812R
DC221812R

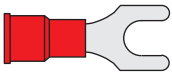
22-18 WIRE RANGE- SPADES, SNAP SPADES and NARROW SPADES



SC22186S
DC22186S



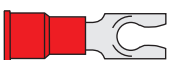
SC22188S
DC22188S



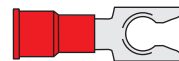
SC221810S
DC221810S



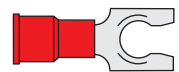
SC22184SS
DC22184SS



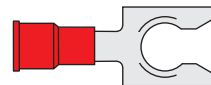
SC22186SS
DC22186SS



SC22188SS
DC22188SS



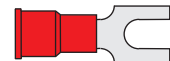
SC221810SS
DC221810SS



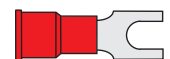
SC221814SS
DC221814SS



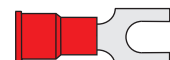
SC22184SN
DC22184SN



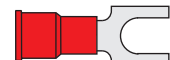
SC22186SN
DC22186SN



SC22186SN1
DC22186SN1

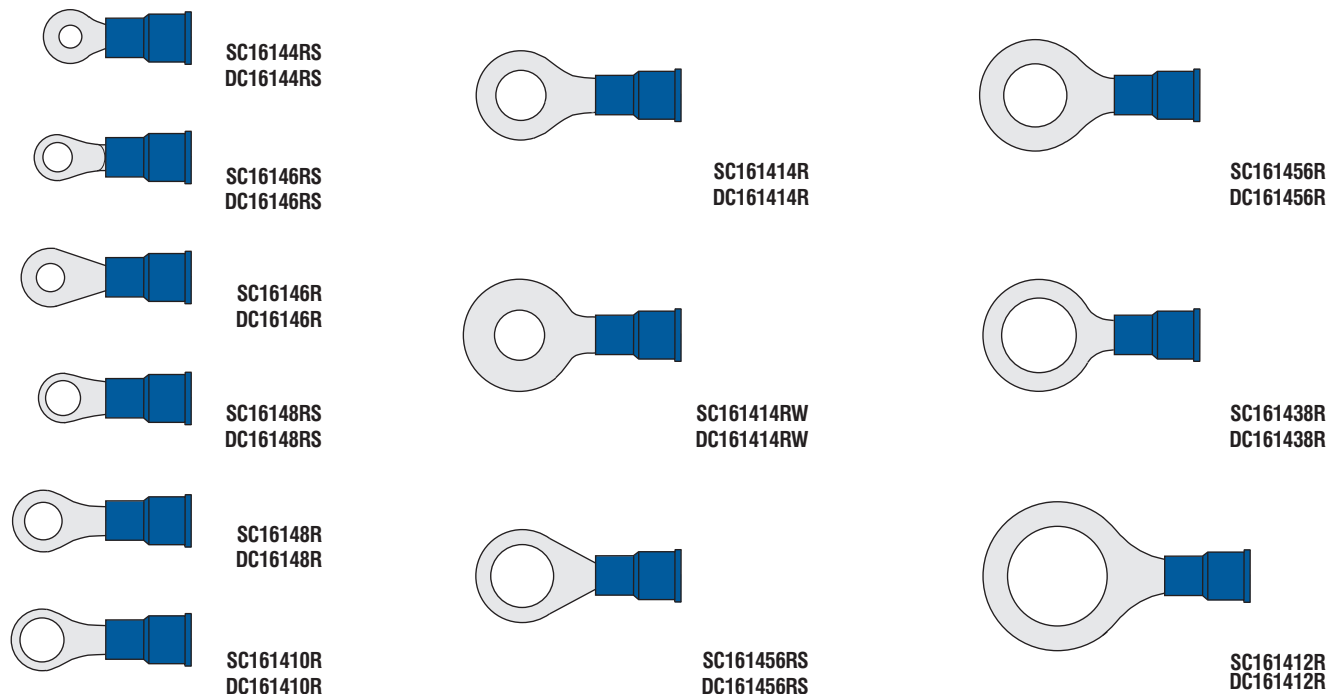


SC22188SN
DC22188SN

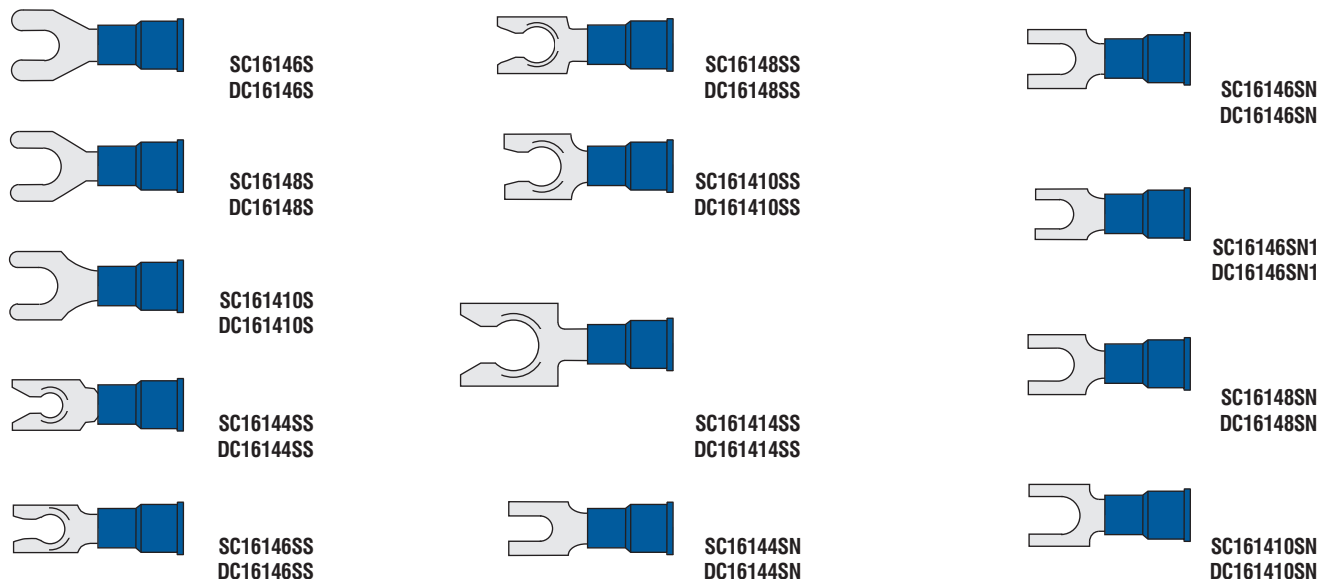


SC221810SN
DC221810SN

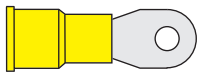
16-14 WIRE RANGE-RINGS



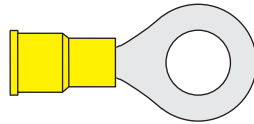
16-14 WIRE RANGE- SPADES, SNAP SPADES and NARROW SPADES



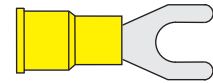
12-10 WIRE RANGE-RINGS and SPADES



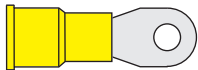
SC12104RS
DC12104RS



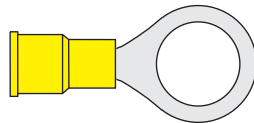
SC121056R
DC121056R



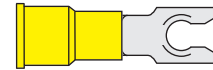
SC121010S
DC121010S



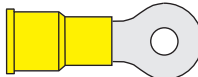
SC12106RS
DC12106RS



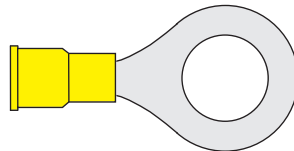
SC121038R
DC121038R



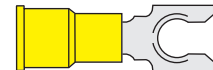
SC12106SS
DC12106SS



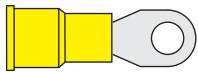
SC12106R
DC12106R



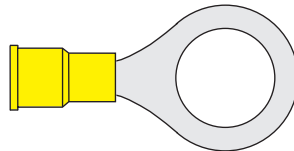
SC121076R
DC121076R



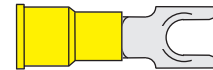
SC12108SS
DC12108SS



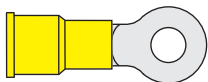
SC12108RS
DC12108RS



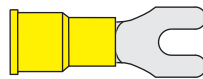
SC121012R
DC121012R



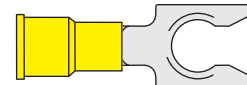
SC121010SS
DC121010SS



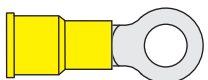
SC12108R
DC12108R



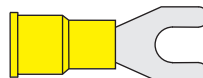
SC12106S
DC12106S



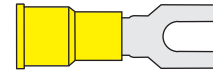
SC121014SS
DC121014SS



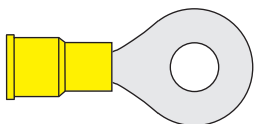
SC121010R
DC121010R



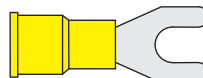
SC12108S
DC12108S



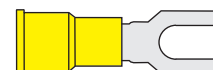
SC12106SN
DC12106SN



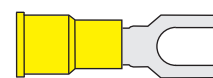
SC121014R
DC121014R



SC12108SN
DC12108SN



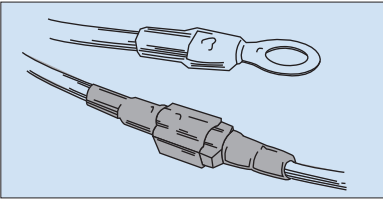
SC12108SN
DC12108SN



SC121010SN
DC121010SN

NOTE: ADDITIONAL AVAILABLE TERMINALS

Pages 31, 32 and 33 represent a good cross section of ELECTROFAST'S extensive line of terminals. Other terminals and configurations are available. For additional information regarding the full ELECTROFAST line of terminals and terminal tools and accessories, or for special requests and ordering, please contact our Customer Service Department at 1-800-854-2201.



HEAT SHRINK TERMINALS

ELECTROFAST's Heat Shrink Terminals create environmentally sealed connections isolating the connections from contaminating salts and salt water, condensation, dust, chemical corrosion and heat all of which break down copper wire. By preventing this break down, ELECTROFAST's Heat Shrink Terminals increase the longevity of connections and decrease the likelihood of expensive downtime and repairs. Abrasion resistant, temperature stable and easy to install, these Heat Shrink Terminals are ideal for hostile MARINE, TRUCKING, and INDUSTRIAL CHEMICAL applications as well as for lighter duty uses.



**RING
TONGUE
TERMINALS**

PRODUCT NO.	WIRE GAUGE	STUD SIZE
HS22186R	22 thru 18 Gauge	#6
HS22188R	22 thru 18 Gauge	#8
HS221810R	22 thru 18 Gauge	#10 (3/16")
HS16146R	16 thru 14 Gauge	#6
HS16148R	16 thru 14 Gauge	#8
HS161410R	16 thru 14 Gauge	#10 (3/16")
HS161414R	16 thru 14 Gauge	1/4"
HS161456R	16 thru 14 Gauge	5/16"
HS161438R	16 thru 14 Gauge	3/8"
HS12108R	12 thru 10 Gauge	#8
HS121010R	12 thru 10 Gauge	#10 (3/16")
HS121014R	12 thru 10 Gauge	1/4"
HS121056R	12 thru 10 Gauge	5/16"
HS121038R	12 thru 10 Gauge	3/8"



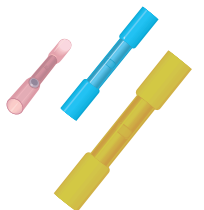
**.250 FULLY
INSULATED
QUICK DIS-
CONNECTS**

PRODUCT NO.	WIRE GAUGE	CONFIGURATION
HS2218FFMP	22 thru 18 Gauge	FEMALE
HS2218FMMP	22 thru 18 Gauge	MALE
HS1614FFMP	16 thru 14 Gauge	FEMALE
HS1614FMMP	16 thru 14 Gauge	MALE
HS1210FFMP	12 thru 10 Gauge	FEMALE
HS1210FMMP	12 thru 10 Gauge	MALE



**SPADE
TONGUE
TERMINALS**

PRODUCT NO.	WIRE GAUGE	STUD SIZE
HS221810S	22 thru 18 Gauge	#10 (3/16")
HS16148S	16 thru 14 Gauge	#8
HS161410S	16 thru 14 Gauge	#10 (3/16")
HS12108S	12 thru 10 Gauge	#8
HS121010S	12 thru 10 Gauge	#10 (3/16")



**BUTT
CONNECT-
ORS**

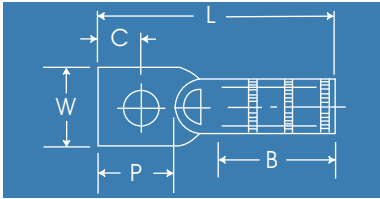
PRODUCT NO.	WIRE GAUGE	STUD SIZE
HS2218SC	22 thru 18 Gauge	#10 (3/16")
HS1614SC	16 thru 14 Gauge	#8
HS1210SC	12 thru 10 Gauge	#10 (3/16")



ELECTRO-FAST'S Heat Guns and Torch Heat Units are specifically for use with all Heat Shrink Terminals and Heat Shrink materials. Quick change, color coded nozzles for Heat Guns provide a temperature range from 600 degrees F to 1250 degrees F. Deflectors are available for heat concentration and distribution or for solder sleeve operations. Butane Torch Units are equally ideal for Heat Shrink Connectors and Tubing, soldering, and a variety of other applications. Units include two nozzle attachments for use with Heat Shrink Connectors and Heat Shrink Tubing. Both lightweight Heat Guns and Portable Torch Units can be hand held or will stand alone for hands free bench top applications.

HG-GUN Standard heat gun, 120 volt, 60hz 4.5 amp UL listed, gold nozzle, nominal temp., range 800F - 1000F, max. Btu is 1620.

94600 Self-igniting torch uses butane fuel and is refillable. Tank capacity provides approximately 70 min. of continuous usage.



1-HOLE LUGS-600 VOLT APPLICATION



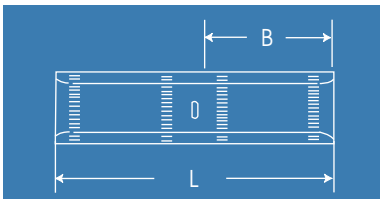
**TINNED
ELECTROLYTIC
COPPER**

FEATURES

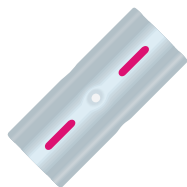
- **SEAMLESS COPPER** construction assures maximum current flow.
- **BRIGHT TIN** plating provides superior protection from corrosion.
- **COLOR CODING** designates cable size and tool die setting.

PRODUCT NO.	LENGTH (L)	WIDTH OF PAD(WP)	CABLE SIZE	BOLT SIZE	COLOR CODE	CLEARANCE (C)	P	B
1HL810	1-7/32	13/32	8	10	RED	5/16	19/32	1/2
1HL814	1-7/32	13/32	8	1/4	RED	5/16	19/32	1/2
1HL614	1-3/4	1/2	6	1/4	BLUE	3/8	3/4	13/16
1HL656	1-3/4	1/2	6	5/16	BLUE	3/8	3/4	13/16
1HL638	1-3/4	9/16	6	3/8	BLUE	3/8	3/4	13/16
1HL414	1-63/64	19/32	4	1/4	GREY	3/8	57/64	29/32
1HL456	1-63/64	19/32	4	5/16	GREY	3/8	57/64	29/32
1HL438	1-63/64	5/8	4	3/8	GREY	3/8	57/64	29/32
1HL214	2	5/8	2	1/4	BROWN	3/8	57/64	7/8
1HL256	2	5/8	2	5/16	BROWN	3/8	57/64	7/8
1HL238	2	11/16	2	3/8	BROWN	3/8	57/64	7/8
1HL114	2-9/64	11/16	1	1/4	GREEN	3/8	57/64	7/8
1HL156	2-9/64	11/16	1	5/16	GREEN	3/8	57/64	7/8
1HL138	2-9/64	3/4	1	3/8	GREEN	3/8	57/64	7/8
1HL1038	2-9/64	3/4	1/0	3/8	PINK	3/8	57/64	7/8
1HL1012	2-15/64	13/16	1/0	1/2	PINK	17/32	1-7/64	7/8
1HL2038	2-9/64	13/16	2/0	3/8	BLACK	3/8	57/64	15/16
1HL2012	2-9/32	29/32	2/0	1/2	BLACK	17/32	1-7/64	15/16
1HL3038	2-1/2	29/32	3/0	3/8	ORANGE	17/32	1-7/64	1-1/8
1HL3012	2-1/2	1	3/0	1/2	ORANGE	17/32	1-7/64	1-1/8
1HL4038	2-9/16	1	4/0	3/8	PURPLE	17/32	1-7/64	1-3/16
1HL4012	2-9/16	1-1/8	4/0	1/2	PURPLE	17/32	1-7/64	1-3/16

1HL25038	2-13/16	1-1/8	250 MCM	3/8	YELLOW	17/32	1-7/64	1-1/4
1HL25012	2-13/16	1-1/8	250 MCM	1/2	YELLOW	17/32	1-7/64	1-1/4
1HL30012	2-13/16	1-7/32	300 MCM	1/2	WHITE	17/32	1-7/64	1-1/4
1HL30058	3-1/32	1-7/32	300 MCM	5/8	WHITE	21/32	1-11/32	1-1/4
1HL35012	2-15/16	1-9/32	350 MCM	1/2	RED	17/32	1-7/64	1-1/4
1HL35058	3-3/16	1-9/32	350 MCM	5/8	RED	21/32	1-11/32	1-1/4
1HL40012	3-9/32	1-13/32	400 MCM	1/2	BLUE	21/32	1-11/32	1-1/2
1HL40058	3-9/32	1-13/32	400 MCM	5/8	BLUE	21/32	1-11/32	1-1/2
1HL50012	3-17/32	1-17/32	500 MCM	1/2	BROWN	21/32	1-11/32	1-3/4
1HL50058	3-17/32	1-17/32	500 MCM	5/8	BROWN	21/32	1-11/32	1-3/4

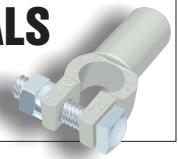


SPLICES-600 VOLT APPLICATION



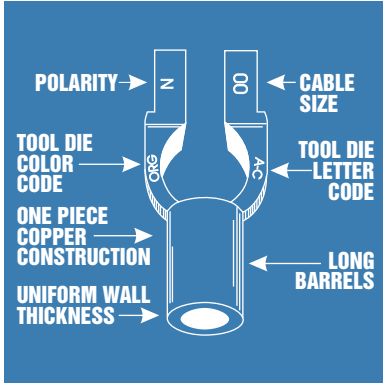
**TINNED
ELECTROLYTIC
COPPER**

PRODUCT NO.	LENGTH (L)	CABLE SIZE	COLOR CODE	B
1HL8SC	1-1/2	8	RED	11/16
1HL6SC	1-3/4	6	BLUE	13/16
1HL4SC	1-3/4	4	GREY	13/16
1HL2SC	1-7/8	2	BROWN	7/8
1HL1SC	1-7/8	1	GREEN	7/8
1HL10SC	1-7/8	1/0	PINK	7/8
1HL20SC	2	2/0	BLACK	15/16
1HL30SC	2-1/8	3/0	ORANGE	1
1HL40SC	2-1/8	4/0	PURPLE	1
1HL250SC	2-1/4	250 MCM	YELLOW	1-1/16
1HL300SC	2-1/4	300 MCM	WHITE	1-1/16
1HL350SC	2-3/8	350 MCM	RED	1-1/8
1HL400SC	2-1/2	400 MCM	BLUE	1-13/16
1HL500SC	2-7/8	500 MCM	BROWN	1-3/8

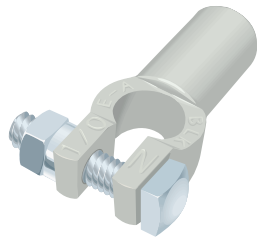


CRIMP TYPE TERMINALS

- **CABLE SIZE** clearly designated on terminals to ensure correct size selection.
- **POLARITY** shown to avoid mixing POSITIVE/NEGATIVE connections which could destroy battery.
- **DIE CODES:** Both T&B color codes and AMP letter codes clearly marked on our terminals in order to simplify installation when using T&B or AMP tooling.
- **CAST COPPER** one piece construction provides greater conductivity and less voltage drop, and allows installation by crimping or soldering.
- **UNIFORM WALL THICKNESS** assures high reliability when connector is crimped on the cable.
- **LONG BARREL** gives added strength and vibration resistance.
- **PLATING:** The following terminal configurations are tin plated for corrosion resistance: STRAIGHTS, RIGHT ANGLES, and ELBOWS. If lead plated crimpable battery terminals are preferred, please request our T&B battery terminals.

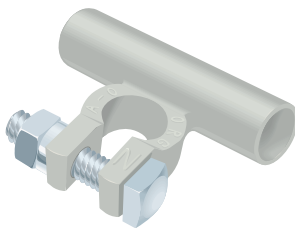


STRAIGHTS



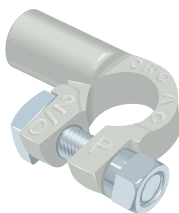
PRODUCT NO.	DIE MARKINGS		CONFIGURATION
	AMP	T&B	
BT-4U	JH	GREEN	4 GA. UNIVERSAL
BT-2N	EA	BLACK	1 & 2 GA. NEGATIVE
BT-2P	EA	BLACK	1 & 2 GA. POSITIVE
BT-1/0N	EA	BLACK	1/0 NEGATIVE
BT-1/0P	EA	BLACK	1/0 POSITIVE
BT-2/0N	AC	ORANGE	2/0 NEGATIVE
BT-2/0P	AC	ORANGE	2/0 POSITIVE
BT-3/0N	AB	PURPLE	3/0 NEGATIVE
BT-3/0P	AB	PURPLE	3/0 POSITIVE
BT-4/0N	AA	YELLOW	4/0 NEGATIVE
BT-4/0P	AA	YELLOW	4/0 POSITIVE

RIGHT ANGLES

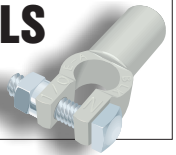


PRODUCT NO.	DIE MARKINGS		CONFIGURATION
	AMP	T&B	
BT-1/0N-FL	EA	BLACK	1/0 NEGATIVE
BT-1/0P-FL	EA	BLACK	1/0 POSITIVE
BT-2/0N-FL	AC	ORANGE	2/0 NEGATIVE
BT-2/0P-FL	AC	ORANGE	2/0 POSITIVE
BT-3/0N-FL	AB	PURPLE	3/0 NEGATIVE
BT-3/0P-FL	AB	PURPLE	3/0 POSITIVE
BT-4/0N-FL	AA	YELLOW	4/0 NEGATIVE
BT-4/0P-FL	AA	YELLOW	4/0 POSITIVE

ELBOWS- RIGHT HANDED

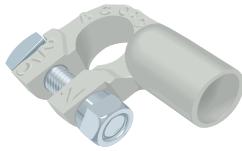


PRODUCT NO.	DIE MARKINGS		CONFIGURATION
	AMP	T&B	
BT-1/0N-ELR	EA	BLACK	1/0 NEGATIVE
BT-1/0P-ELR	EA	BLACK	1/0 POSITIVE
BT-2/0N-ELR	AC	ORANGE	2/0 NEGATIVE
BT-2/0P-ELR	AC	ORANGE	2/0 POSITIVE
BT-3/0N-ELR	AB	PURPLE	3/0 NEGATIVE
BT-3/0P-ELR	AB	PURPLE	3/0 POSITIVE

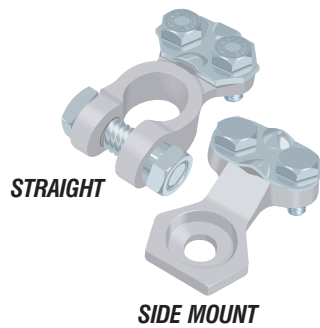


ELBOWS- LEFT HANDED

DIE MARKINGS



PRODUCT NO.	AMP	T&B	CONFIGURATION
BT-1/0N-ELL	EA	BLACK	1/0 NEGATIVE
BT-1/0P-ELL	EA	BLACK	1/0 POSITIVE
BT-2/0N-ELL	AC	ORANGE	2/0 NEGATIVE
BT-2/0P-ELL	AC	ORANGE	2/0 POSITIVE
BT-3/0N-ELL	AB	PURPLE	3/0 NEGATIVE
BT-3/0P-ELL	AB	PURPLE	3/0 POSITIVE



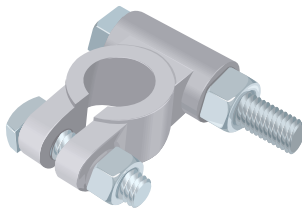
TEMPORARY BOLT-ON

PRODUCT NO.

DESCRIPTION

BT-88B	Zinc plated brass, straight, 6 gauge thru 2 gauge
BT-88	Solid lead, straight, 6 gauge thru 2/0
BT-2/0L	Solid lead, straight, 1 gauge thru 4/0
BTSM-888	Solid lead, side mount, 6 gauge thru 1 gauge

MILITARY STANDARD TYPE

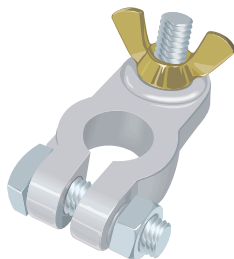


PRODUCT NO.

DESCRIPTION

BTRA-UP	Solid lead, positive
BTRA-UN	Solid lead, negative

MARINE TYPE



PRODUCT NO.

DESCRIPTION

BT-5/16	Lead plated brass, 5/16" stud
BT-3/8	Lead plated brass, 3/8" stud

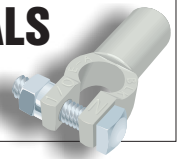
UNIVERSAL SIDE MOUNT ADAPTER



PRODUCT NO.

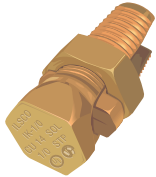
DESCRIPTION

BT-USMA	All brass construction with 3/8" accessory bolt. Allows easy connection for jumper cables or for tapping off hot leads from a second stud.
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SPLIT BOLT CONNECTORS

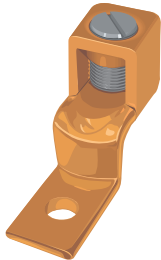
High strength solderless service connectors made of high copper alloy for copper and copper welded wires.



PRODUCT NO.	Max. Wire Size with Equal Run and Equal Tap	Min. Tap Size with Max. Run
SBC-10	12 str - 10 str	16 str
SBC-8	10 str - 8 str	14 str
SBC-6	8 str - 6 solid	14 str
SBC-4	8 str - 4 solid	14 str
SBC-2	6 str - 2 solid	14 str
SBC-1	6 str - 2 str	14 str
SBC-1/0	4 str - 1/0 str	14 str
SBC-2/0	2 str - 2/0 str	14 str
SBC-3/0	3 str - 3/0 str	8 solid
SBC-4/0	1 str - 250 MCM	8 str

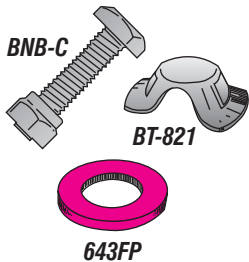
SOLDERLESS LUGS

Electrolytic copper tang and collar with slotted set screw.



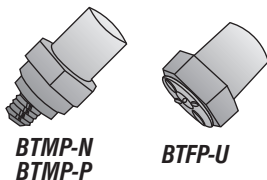
PRODUCT NO.	WIRE RANGE
SLU-25	10-14 Stranded
SLU-35	6-14 Stranded
SLU-70	2-8 Stranded
SLU-125	1/0-6 stranded

MISCELLANEOUS ITEMS



PRODUCT NO.	DESCRIPTION
BT-821	Lead battery post shim
BNB	Battery bolts with standard nuts
BNB-C	Battery bolts with shoulder nuts
BT-BOLT	Battery bolts
BT-C-NUT	Shoulder nuts
643-FP	Top post felt battery terminal protectors

CHARGING POSTS



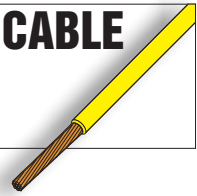
PRODUCT NO.	DESCRIPTION
BTMP-N	Negative
BTMP-P	Positive
BTFP-U	Universal

ELECTROFAST Charging Posts are 3/8-16 thread and are manufactured from lead with zinc plated steel inserts for both male and female threads. Male posts afford easy removal and replacement of side terminal batteries. Female posts convert stud type commercial batteries for use with post type battery cables.



HOLD DOWN NUTS

PRODUCT NO.	DESCRIPTION
2818	Stainless



PLASTIC PRIMARY WIRE

ELECTRO-FAST's economical, general purpose thermoplastic insulated (GPT) primary wire for general circuit wiring conforms to SAE specifications J1128 and J378B. Plastic Primary Wire is constructed of stranded bare copper insulated with color coded PVC rated at 80 degrees Centigrade.

Colors available in a full line of gauges and in 4 spool sizes: Red, Black, White, Lt. Green, Dk. Green, Lt. Blue, Dk. Blue, Orange, Yellow, Brown, Tan, Violet, Pink, and Gray.

Striping is available.

Please contact our Customer Service Department for specific availability.

PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
PW-M-18	PW-D-18	PW-250-18	PW-18	18	16 x .010 (30)	.094"
PW-M-16	PW-D-16	PW-250-16	PW-16	16	19 x .0112 (29)	.103"
PW-M-14	PW-D-14	PW-250-14	PW-14	14	19 x .0142 (27)	.120"
PW-M-12	PW-D-12	PW-250-12	PW-12	12	19 x .0179 (25)	.145"
PW-M-10	PW-D-10	PW-250-10	PW-10	10	19 x .0223 (23)	.175"
PW-M-8	PW-D-8	PW-250-8	PW-8	8	19 x .0280 (21)	.215"
PW-M-6	PW-D-6	PW-250-6	PW-6	6	49 x .0223 (23)	.315"

APPLIANCE WIRE

ELECTRO-FAST's appliance wire is UL listed and conforms to the following UL styles: 18 gauge - UL 1230 and UL 1015; 8 gauge - UL 1231 and UL 1028; 6 gauge - UL 1232 and UL 1283. This 600 volt wire is rated at 105 degrees C dry, and 60 degrees C wet and is moisture resistant. Our appliance wire is also CSA listed and conforms to CSA specification T-1. This wire meets or exceeds all U. S. Coast Guard requirements for electrical systems of 50 volts or higher.

Colors available in a full line of gauges and in 4 spool sizes: Red, Black, White, Lt. Green, Dk. Green, Lt. Blue, Dk. Blue, Orange, Yellow, Brown, Tan, Violet, Pink, and Gray.

Striping is available.

Please contact our Customer Service Department for specific availability.

PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.	INSUL. THICK- NESS
APL-M-18	APL-D-18	APL-250-18	APL-18	18	16 x .010 (30)	.012"	2/64"
APL-M-16	APL-D-16	APL-250-16	APL-16	16	26 x .010 (30)	.124"	2/64"
APL-M-14	APL-D-14	APL-250-14	APL-14	14	41 x .010 (30)	.138"	2/64"
APL-M-12	APL-D-12	APL-250-12	APL-12	12	65 x .010 (30)	.158"	2/64"
APL-M-10	APL-D-10	APL-250-10	APL-10	10	105 x .010 (30)	.182"	2/64"
APL-M-8	APL-D-8	APL-250-8	APL-8	8	19 x .0295 (20-21)	.243"	3/64"
APL-M-6	APL-D-6	APL-250-6	APL-6	6	133 x .0142 (26-27)	.340"	4/64"

GXL CROSS-LINKED POLYETHYLENE WIRE

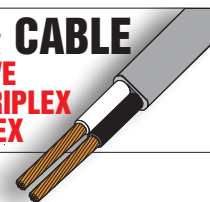
ELECTRO-FAST's tough SAE Type GXL wire meets SAE specification J1128 and Ford specification ESM Mil 85-B. This cross-linked polyethylene wire offers excellent resistance to abrasion, oil, flame, battery acid, and salt water corrosion. This GXL rated wire will not melt or short circuit when exposed to temperatures as high as 125 degrees C.

Colors available in a full line of gauges and in 4 spool sizes: Red, Black, White, Lt. Green, Dk. Green, Lt. Blue, Dk. Blue, Orange, Yellow, Brown, Tan, Violet, Pink, and Gray.

Striping is available.

Please contact our Customer Service Department for specific availability.

PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
GXL-M-18	GXL-D-18	GXL-250-18	GXL-18	18	16 x .010 (30)	.094"
GXL-M-16	GXL-D-16	GXL-250-16	GXL-16	16	19 x .0113 (29)	.103"
GXL-M-14	GXL-D-14	GXL-250-14	GXL-14	14	19 x .0142 (27)	.117"
GXL-M-12	GXL-D-12	GXL-250-12	GXL-12	12	19 x .0179 (25)	.143"
GXL-M-10	GXL-D-10	GXL-250-10	GXL-10	10	19 x .0226 (23)	.160"



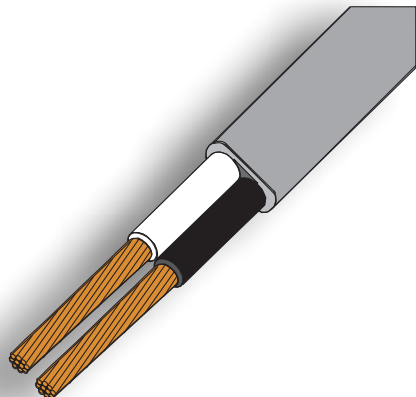
AUTOMOTIVE DUPLEX WIRE

ELECTRO-FAST's Automotive Duplex Wire is constructed from stranded bare copper and 105 degree C, color coded insulation meeting SAE GPT specification and SAE Primary Wire specifications. The conductors are laid flat and jacketed with 105 degree C rated gray PVC. This high temperature rating makes ELECTRO-FAST's Duplex Wire ideal for marine applications as well as for automotive, truck, and trailer applications using low voltage 12 and 24 volt systems.

Colors available: Black & White Inners in all sizes except 14/1 and 10/1.

The 14/1 and 10/1 Duplex Inners are Blue on the 14 gauge conductor and Black on the 10 gauge conductor.

Please contact our Customer Service Department for specific availability.



PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
PW-M-18/2	PW-D-18/2	PW-250-18/2	PW-18/2	18/2	16 x .010 (30)	.160" x .240"
PW-M-16/2	PW-D-16/2	PW-250-16/2	PW-16/2	16/2	19 x .0112 (29)	.165" x .285"
PW-M-14/2	PW-D-14/2	PW-250-14/2	PW-14/2	14/2	19 x .0142 (27)	.185" x .295"
PW-M-12/2	PW-D-12/2	PW-250-12/2	PW-12/2	12/2	19 x .0179 (25)	.215" x .350"
PW-M-10/2	PW-D-10/2	PW-250-10/2	PW-10/2	10/2	19 x .0223 (23)	.250" x .422"
PW-M-8/2	PW-D-8/2	PW-250-8/2	PW-8/2	8/2	19 x .0281 (21)	.295" x .530"
PW-M-6/2	PW-D-6/2	PW-250-6/2	PW-6/2	6/2	49 x .0223 (23)	.380" x .685"
PW-M-14/1	PW-D-14/1	PW-250-14/1	PW-14/1	14/1	19 x .0142 (27)	.240" x .430"
&-10/1	&-10/1	&-10/1	&-10/1	& 10/1	19 x .0223 (23)	.240" x .430"

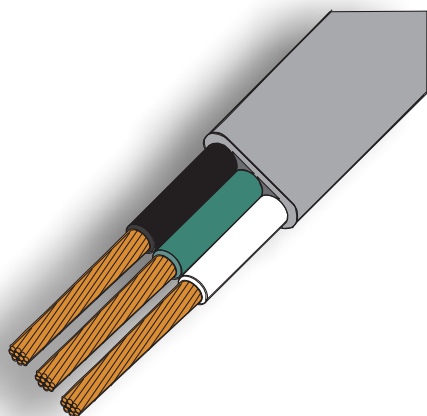
AUTOMOTIVE TRIPLEX and QUADRAPLEX WIRE

ELECTRO-FAST's Automotive Triplex and Quadraplex wires are constructed from stranded bare copper and 105 degree C color coded SAE GPT insulation. The conductors are laid flat and jacketed with 105 degree C rated PVC. This high temperature rating makes ELECTRO-FAST's Triplex and Quadraplex wires ideal for marine applications as well as for automotive, truck, and trailer applications using low voltage 12 and 24 volt systems. These wires meet SAE Primary Wire specifications.

Colors Available (Code):

TRIPLEX: Black, Green, and White

QUADRAPLEX: Black, White, Red, and Green



PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
PW-M-18/3	PW-D-18/3	PW-250-18/3	PW-18/3	18/3	16 x .010 (30)	.155" x .332"
PW-M-16/3	PW-D-16/3	PW-250-16/3	PW-16/3	16/3	19 x .0112 (29)	.160" x .385"
PW-M-16/4	PW-D-16/4	PW-250-16/4	PW-16/4	16/4	19 x .0112 (29)	.160" x .497"
PW-M-14/3	PW-D-14/3	PW-250-14/3	PW-14/3	14/3	19 x .0142 (27)	.190" x .440"
PW-M-14/4	PW-D-14/4	PW-250-14/4	PW-14/4	14/4	19 x .0142 (27)	.200" x .540"
PW-M-12/3	PW-D-12/3	PW-250-12/3	PW-12/3	12/3	19 x .0179 (25)	.210" x .495"
PW-M-12/4	PW-D-12/4	PW-250-12/4	PW-12/4	12/4	19 x .0179 (25)	.235" x .660"
PW-M-10/3	PW-D-10/3	PW-250-10/3	PW-10/3	10/3	19 x .0223 (23)	.250" x .590"

When Ordering All Wire, Use the Following Suffixes for Wire Color Specification:

R = Red

B = Black **W** = White

LTGR = Light Green

DKG = Dark Green

LTBL = Light Blue

DKBL = Dark Blue

O = Orange

Y = Yellow

BR = Brown

T = Tan

P = Purple/ Violet

PK = Pink

GY = Gray

*Striping available upon request.

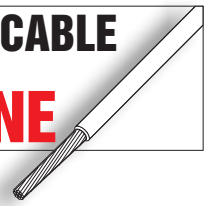
NOTE: 250' SPOOLS are SPECIAL ORDER.

The following Wire Color Codes are considered ELECTRO-FAST Standard or Regular Shipping Color Codes for GREEN and BLUE:

LTGR = Green (unless specified **DKG**=Dark Green)

LTBL = BLUE (unless specified **DKBL** = Dark Blue)

* These Wire Colors will be shipped unless Dark Green or Dark Blue are specified.



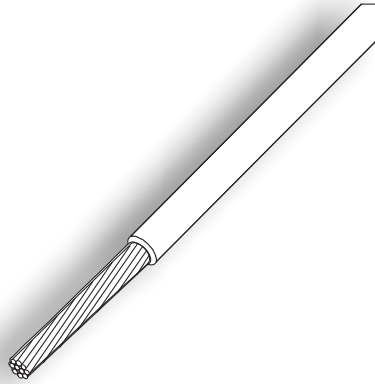
MARINE WIRE

ELECTRO-FAST's Marine Wire is specifically designed and manufactured for optimum use in the marine environment. Finely stranded tinned copper conductors provide excellent flexibility and improved resistance against corrosion. The Polyvinylchloride insulation (PVC) is rated at 105 degrees C and resists moisture, acids and alkalis, oil, gasoline, flame (VW-1), and abrasion. This marine wire meets the requirements and standards of UL, SAE, U.S. Coast Guard, ABYC, and NMMA.

Colors available in a full line of gauges and in 4 spool sizes: Red, Black, White, Lt. Green, Dk. Green, Lt. Blue, Dk. Blue, Orange, Yellow, Brown, Tan, Violet, Pink, and Gray.

Striping is available.

Please contact our Customer Service Department for specific availability.



PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
MC-M-18	MC-D-18	MC-250-18	MC-18	18	16 x .0100	.111"
MC-M-16	MC-D-16	MC-250-16	MC-16	16	26 x .0100	.123"
MC-M-14	MC-D-14	MC-250-14	MC-14	14	41 x .0100	.141"
MC-M-12	MC-D-12	MC-250-12	MC-12	12	65 x .0100	.156"
MC-M-10	MC-D-10	MC-250-10	MC-10	10	105 x .0100	.181"
MC-M-8	MC-D-8	MC-250-8	MC-8	8	133 x .0100	.261"
MC-M-6	MC-D-6	MC-250-6	MC-6	6	266 x .0100	.340"

MARINE CABLE

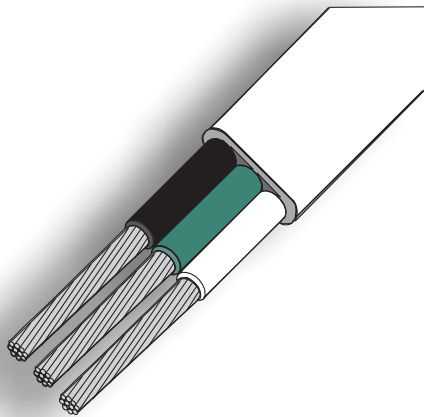
ELECTRO-FAST's Boat Cable meets the requirements of UL, SAE, ABYC, U.S. Coast Guard (exceeds Coast Guard requirements for 50 volt systems and greater) and NMMA. ELECTRO-FAST stocks a wide variety of UL Marine Cable rated for 600 volts at 105 degrees C dry and 75 degrees C wet (6 gauge is rated 105 degrees C dry and 60 degrees C wet). This moisture resistant cable is constructed flat (except where otherwise noted) of tinned copper stranding jacketed in 105 degree C rated, color coded inner insulation further jacketed in a tough white PVC outer insulation.

Colors Available:

TRIPLEX: All sizes of Boat Cable Triplices come with Black, Green, and White inner conductors.

DUPLEX: All sizes of Boat Cable Duplexes come with Black and White inner conductors as standard. Red and Black, and Red and Yellow inner conductors are available from stock in 16/2, 14/2, 12/2, 10/2, 8/2, and 6/2.

Black and White inner conductors will be furnished unless Red and Black or Red and Yellow inner conductors are specified.



PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
MC-M-18/2	MC-D-18/2	MC-250-18/2	MC-18/2	18/2	16 x .0100	.160" x .240"
MC-M-16/2	MC-D-16/2	MC-250-16/2	MC-16/2	16/2	26 x .0100	.186" x .312"
MC-M-14/2	MC-D-14/2	MC-250-14/2	MC-14/2	14/2	41 x .0100	.205" x .346"
MC-M-12/2	MC-D-12/2	MC-250-12/2	MC-12/2	12/2	65 x .0100	.220" x .378"
MC-M-10/2	MC-D-10/2	MC-250-10/2	MC-10/2	10/2	105 x .0100	.245" x .428"
MC-M-8/2	MC-D-8/2	MC-250-8/2	MC-8/2	8/2	133 x .0100	.357" x .622"
MC-M-6/2	MC-D-6/2	MC-250-6/2	MC-6/2	6/2	266 x .0100	.436" x .785"
MC-M-16/3	MC-D-16/3	MC-250-16/3	MC-16/3	16/3	26 x .0100	.186" x .435"
MC-M-14/3	MC-D-14/3	MC-250-14/3	MC-14/3	14/3	41 x .0100	.205" x .485"
MC-M-12/3	MC-D-12/3	MC-250-12/3	MC-12/3	12/3	65 x .0100	.220" x .538"
MC-M-10/3	MC-D-10/3	MC-250-10/3	MC-10/3	10/3	105 x .0100	.245" x .613"
MC-M-8/3	MC-D-8/3	MC-250-8/3	MC-8/3	8/3	133 x .0100	.357" x .888"
MC-M-6/3	MC-D-6/3	MC-250-6/3	MC-6/3	6/3	266 x .0100	.436" x 1.13"

When Ordering All Wire, Use the Following Suffixes for Wire Color Specification:

R = Red **B = Black** **W = White** **LTGR = Light Green** **DKG = Dark Green**
LTBL = Light Blue **DKBL = Dark Blue** **O = Orange** **Y = Yellow**
BR = Brown **T = Tan** **P = Purple/ Violet** **PK = Pink**
GY = Gray

***Striping available upon request.**

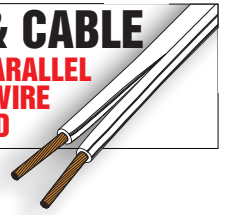
NOTE: 250' SPOOLS are SPECIAL ORDER.

The following Wire Color Codes are considered ELECTRO-FAST Standard or Regular Shipping Color Codes for GREEN and BLUE:

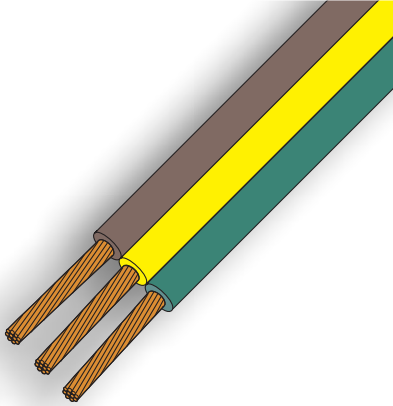
LTGR = Green (unless specified DKG=Dark Green)

LTBL = BLUE (unless specified DKBL = Dark Blue)

*** These Wire Colors will be shipped unless Dark Green or Dark Blue are specified.**



BONDED PARALLEL PLASTIC PRIMARY WIRE



ELECTRO-FAST's Bonded Parallel Wire is constructed of standard automotive GPT conductors which conform to SAE J1128. These 60 degree C rated conductors are glued together to form a rip-type grouping affording easy separation of each conductor.

Colors Available:

18/2: Red and Black

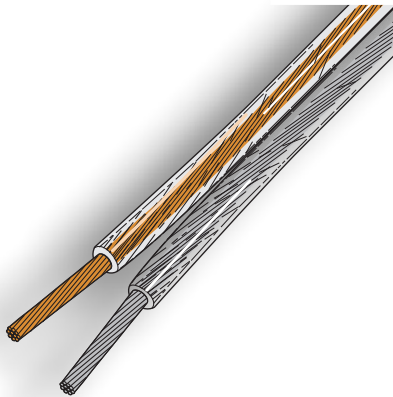
16/2: Red and Black

14/2: Red and Black

All QUADRAPLEXES: White, Brown, Yellow, Green

PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
BW-M-18/2	BW-D-18/2	BW-18/2	18/2	16 x 30	.095" x .190"
BW-M-18/3	BW-D-18/3	BW-18/3	18/3	16 x 30	.094" x .280"
BW-M-18/4	BW-D-18/4	BW-18/4	18/4	16 x 30	.094" x .380"
BW-M-16/2	BW-D-16/2	BW-16/2	16/2	19 x 29	.105" x .210"
BW-M-16/3	BW-D-16/3	BW-16/3	16/3	19 x 29	.105" x .320"
BW-M-16/4	BW-D-16/4	BW-16/4	16/4	19 x 29	.105" x .420"
BW-M-14/2	BW-D-14/2	BW-14/2	14/2	19 x 27	.122" x .240"
BW-M-14/3	BW-D-14/3	BW-14/3	14/3	19 x 27	.122" x .370"
BW-M-14/4	BW-D-14/4	BW-14/4	14/4	19 x 27	.122" x .490"

SPEAKER WIRE

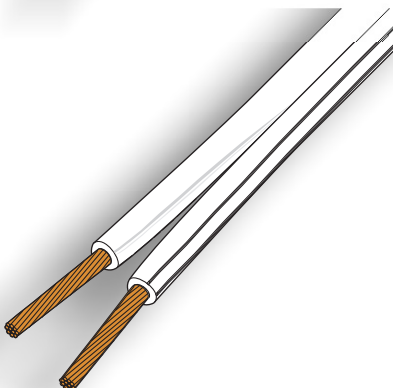


ELECTRO-FAST's Stereo Wire is constructed of one bare conductor and one fully annealed, tinned conductor both of which are jacketed with clear PVC to allow for a visual polarity check. Its rip-type construction affords easy separation of the conductors. This wire is rated to 60 degrees C and is UL recognized (90V, 300V, SPT10) and is OSHA acceptable.

Colors Available: Clear

PROD. # 1000' SPOOLS	PROD. # 500' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
SW-M-18/2	SW-D-18/2	SW-18/2	18/2	16 x .010 (30)	.105" x .200"
SW-M-16/2	SW-D-16/2	SW-16/2	16/2	26 x .010 (30)	.100" x .215"

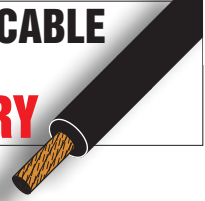
LAMP CORD



ELECTRO-FAST's Lamp Cord is UL listed (Class 43 insulation specification) and is CSA certified. The rip-type construction allows for easy separation of the conductors and one conductor has an identifying ridge for visual polarity check. Lamp Cord is rated at 60 degrees C.

Colors Available: Brown, Black, White

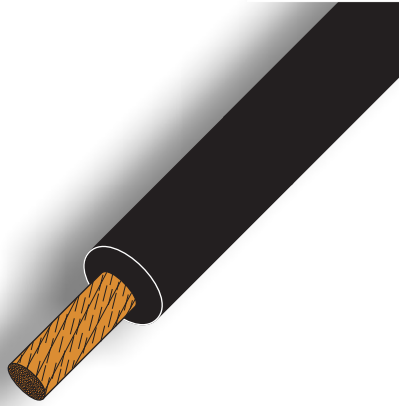
PROD. # 250' SPOOLS	DESCRIPTION	STRANDING	NOM. O.D.
LC-18/2	18/2 SPT-1	41 x .0063 (34)	.107" x .200"
LC-16/2	16/2 SPT-2	65 x .0063 (34)	.165" x .302"



BATTERY CABLE

ELECTRO-FAST's Battery Cable is constructed from flexible bare stranded copper conductors covered with a paper separator and insulated with a tough 80 degrees C PVC jacket. Our Battery Cable is type SGT and conforms to SAE standard J1127. Applications include automotive (primarily for connecting the battery to the starter, switch and ground), general industrial, and general marine. This cable is resistant to acids, alkalis, oil, gasoline, flame, moisture, and fungus.

Colors Available: 6 gauge through 2/0 available in both Black and Red.
3/0 and 4/0 available in Black only.



PROD. # 500' SPOOLS	PROD. # 100' SPOOLS	PROD. # 50' SPOOLS	GAUGE	STRANDING	NOM. O.D.
BC-D-6	BC-6	BC-L-6	6	49 x .0223 (23)	.360"
BC-D-4	BC-4	BC-L-4	4	70 x .0236 (22-23)	.360"
BC-D-2	BC-2	BC-L-2	2	133 x .0223 (23)	.450"
BC-D-1	BC-1	BC-L-1	1	133 x .0251 (22)	.490"
BC-D-1/0	BC-1/0	BC-L-1/0	1/0	133 x .0280 (21)	.530"
BC-D-2/0	BC-2/0	BC-L-2/0	2/0	133 x .0310 (20)	.595"
BC-D-3/0	BC-3/0	BC-L-3/0	3/0	259 x .0250 (22)	.665"
BC-D-4/0	BC-4/0	BC-L-4/0	4/0	259 x .0280 (21)	.750"

TINNED BATTERY CABLE

ELECTRO-FAST's Tinned Battery Cable is constructed from Type III flexible stranded, tinned copper providing maximum flexibility. Tinned copper conductors resist corrosion longer than bare copper conductors adding to the longevity of cables in the most rigorous marine applications. Our Tinned Battery Cables are insulated with a tough 105 degrees C PVC compound effective against abrasion, moisture, gasoline, oil, diesel fuel, alkalis, flame, and fungus. This battery cable meets UL, SAE, U.S. Coast Guard, ABYC, and NMMA requirements.

Colors Available: 6 gauge through 4/0 available in Black, Red and Yellow.
6 gauge, 4 gauge and 2 gauge is also available in Green.



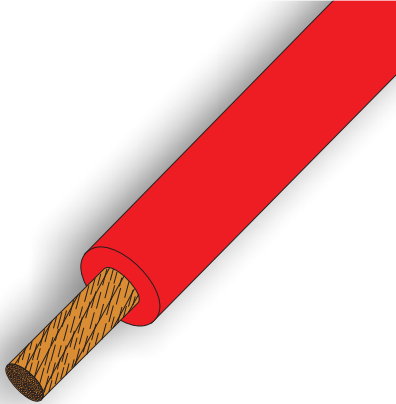
PROD. # 500' SPOOLS	PROD. # 100' SPOOLS	PROD. # 50' SPOOLS	GAUGE	STRANDING	NOM. O.D.
BCT-D-6	BCT-6	BCT-L-6	6	266 x .0100	.340"
BCT-D-4	BCT-4	BCT-L-4	4	420 x .0100	.398"
BCT-D-2	BCT-2	BCT-L-2	2	665 x .0100	.464"
BCT-D-1	BCT-1	BCT-L-1	1	836 x .0100	.567"
BCT-D-1/0	BCT-1/0	BCT-L-1/0	1/0	1064 x .0100	.621"
BCT-D-2/0	BCT-2/0	BCT-L-2/0	2/0	1330 x .0100	.653"
BCT-D-4/0	BCT-4/0	BCT-L-4/0	4/0	2109 x .0100	.785"



WELDING CABLE- TPR INSULATED

ELECTRO-FAST's FLEX-A-PRENE insulated Welding Cable is rated at 600 volts and 90 degrees C. The FLEX-A-PRENE insulation maintains operating flexibility down to -70 degrees F. This cable conforms to ASTM B-12, NEMA WC3-1984, and IPCEA S19-81 specifications.

Colors Available: 6 gauge through 2/0 available in both Black and Red.



PROD. # 250' SPOOLS	PROD. # 100' SPOOLS	PROD. # 50' SPOOLS	GAUGE	STRANDING	NOM. O.D.
WC-250-6	WC-6	WC-L-6	6	266 x .010 (30)	.375"
WC-250-4	WC-4	WC-L-4	4	420 x .010 (30)	.430"
WC-250-2	WC-2	WC-L-2	2	665 x .010 (30)	.510"
WC-250-1	WC-1	WC-L-1	1	836 x .010 (30)	.540"
WC-250-1/0	WC-1/0	WC-L-1/0	1/0	1064 x .010 (30)	.610"
WC-250-2/0	WC-2/0	WC-L-2/0	2/0	1330 x .010 (30)	.670"
WC-250-3/0	WC-3/0	WC-L-3/0	3/0	1665 x .010 (30)	.740"
WC-250-4/0	WC-4/0	WC-L-4/0	4/0	2109 x .010 (30)	.830"

TRAILER CABLE- PVC INSULATED

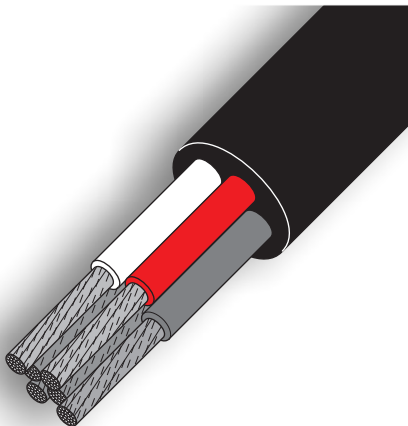
ELECTRO-FAST's Trailer Cable conforms to the SAE J1067 and ATA E1950 specifications. Both the inner conductor jackets and the outer insulation jacket are made of 60 degrees C PVC. Conductors are manufactured from stranded, flexible, fully annealed copper.

Colors Available:

4 Conductors- Red, White, Black, and Brown

6 Conductors- Red, White, Black, Brown, Green, and Yellow

7 Conductors- Red, White, Black, Brown, Green, Yellow, and Blue



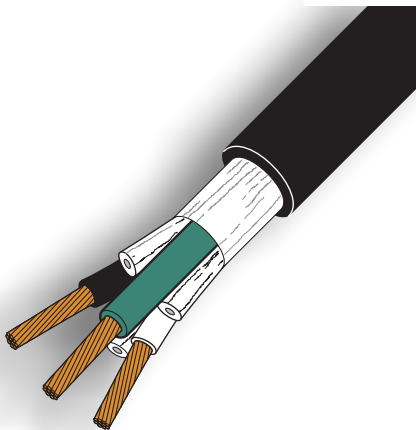
PROD. # 500' SPOOLS	PROD. # 100' SPOOLS	GAUGE	STRANDING	NOM. O.D.
TC-D-14/4	TC-14/4	14	19 x .0142 (27)	.405"
TC-D-14/6	TC-14/6	14	19 x .0142 (27)	.560"
TC-D-14/7	TC-14/7	14	19 x .0142 (27)	.560"
TC-D-12/6	TC-12/6	12	19 x .0179 (25)	.640"
& 10/1	& 10/1	10	19 x .0223 (23)	.640"

NOTE: ABS Cable and RV Cable available upon request. Please contact Customer Service at 1-800-854-2201.

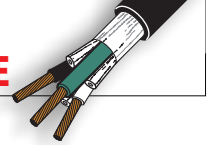
PORTABLE CORD- 300 volt SERVICE

SJ Cord is manufactured with EPDM rubber insulated inner conductors which are covered with a black rubber jacket rated at 60 degrees C. SJ Cord is UL listed and CSA approved.

SJO Cord is manufactured with EPDM rubber insulated inner conductors which are covered with a tough, black chlorinated polyethylene (CPE) jacket rated at 90 degrees C. CPE offers a high resistance to oil, abrasion, and impact. CPE also maintains greater flexibility to lower temperatures and resists aging better than rubber does. SJO Cord is UL listed, CSA approved, and meets U.S.C.G. regulations Section 183.435 and CG-259 Section 111.60-5.



PROD. # TYPE SJ	PROD. # TYPE SJO	GAUGE	STRANDING	NOM. O.D.
SJ-18/2	SJO-18/2	18/2	16 x .010 (30)	.290"
SJ-18/3	SJO-18/3	18/3	16 x .010 (30)	.320"
SJ-18/4	SJO-18/4	18/4	16 x .010 (30)	.335"
SJ-16/2	SJO-16/2	16/2	26 x .010 (30)	.320"
SJ-16/3	SJO-16/3	16/3	26 x .010 (30)	.340"
SJ-16/4	SJO-16/4	16/4	26 x .010 (30)	.385"
SJ-14/2	SJO-14/2	14/2	41 x .010 (30)	.350"
SJ-14/3	SJO-14/3	14/3	41 x .010 (30)	.375"
SJ-14/4	SJO-14/4	14/4	41 x .010 (30)	.415"
SJ-12/3	SJO-12/3	12/3	65 x .010 (30)	.415"



PORTABLE CORD- 600 volt SERVICE

S Cord is manufactured with EPDM rubber insulated inner conductors which are covered with a black rubber jacket rated at 60 degrees C. S Cord is UL listed and CSA approved.

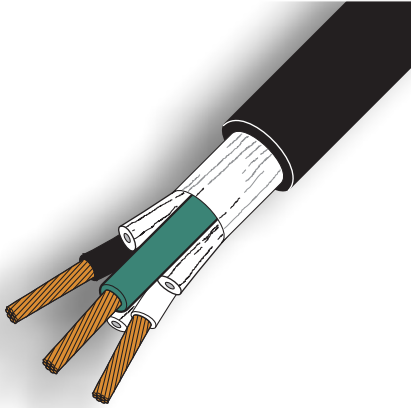
SO Cord is manufactured with EPDM rubber insulated inner conductors which are covered with a tough, black chlorinated polyethylene (CPE) jacket rated at 90 degrees C. CPE offers a high resistance to oil, abrasion, and impact. CPE also maintains greater flexibility to lower temperatures and resists aging better than rubber does. SO Cord is UL listed, CSA approved from 18 gauge through 10 gauge.

Colors Available:

4 Conductors- Red, White, Black, and Brown

6 Conductors- Red, White, Black, Brown, Green, and Yellow

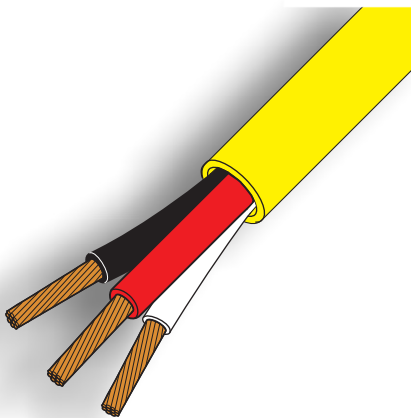
7 Conductors- Red, White, Black, Brown, Green, Yellow, and Blue



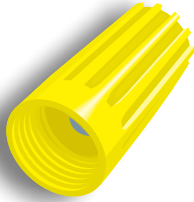
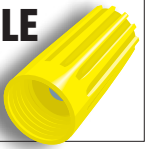
PROD. # TYPE S	PROD. # TYPE SO	GAUGE	STRANDING	NOM. O.D.
S-18/2	SO-18/2	18/2	16 x .010 (30)	.345"
S-18/3	SO-18/3	18/3	16 x .010 (30)	.365"
S-18/4	SO-18/4	18/4	16 x .010 (30)	.390"
S-16/2	SO-16/2	16/2	26 x .010 (30)	.370"
S-16/3	SO-16/3	16/3	26 x .010 (30)	.390"
S-16/4	SO-16/4	16/4	26 x .010 (30)	.415"
S-14/2	SO-14/2	14/2	41 x .010 (30)	.500"
S-14/3	SO-14/3	14/3	41 x .010 (30)	.530"
S-14/4	SO-14/4	14/4	41 x .010 (30)	.570"
S-12/2	SO-12/2	12/2	65 x .010 (30)	.575"
S-12/3	SO-12/3	12/3	65 x .010 (30)	.600"
S-12/4	SO-12/4	12/4	65 x .010 (30)	.650"
S-10/2	SO-10/2	10/2	105 x .010 (30)	.625"
S-10/3	SO-10/3	10/3	105 x .010 (30)	.660"
S-10/4	SO-10/4	10/4	105 x .010 (30)	.710"
-	SO-8/3	8/3	119 x .0112 (29)	.725"
-	SO-8/4	8/4	119 x .0112 (29)	.780"
S-6/3	SO-6/3	6/3	119 x .0142 (27)	.865"
S-6/4	SO-6/4	6/4	119 x .0142 (27)	.900"

PORTABLE CORD- SHORE LINE CORD

Shore Line Cord is constructed of finely stranded, fully annealed copper conductors insulated with color coded PVC and covered with a tough thermoplastic yellow jacket (also PVC). This STO Cord is rated for -20 degrees C to 60 degrees C (call for specifics--some cords are rated at 105 degrees C at 600 volts and are highly resistant to oils, water, acids, alkalies, and ozone). STO Cord is UL listed (UL 62) and meets U.S.C.G. regulations CFR 183, ABYC E-8.13c, and is OSHA and MSHA acceptable.



PROD. # TYPE STO	GAUGE	STRANDING	NOM. O.D.
STO-14/3Y	14/3	41 x .010 (30)	.530"
STO-12/3Y	12/3	65 x .010 (30)	.600"
STO-10/3Y	10/3	105 x .010 (30)	.660"



WIRE-NUT®

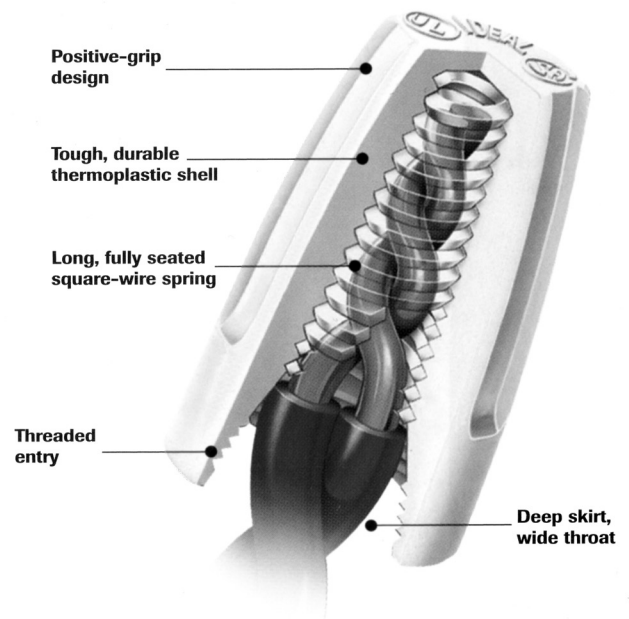
Ideal Wire-Nut® connectors are molded of fire-resistant thermoplastic rated at 105 degrees C. The five standard sizes shown cover a broad range of both solid and stranded wire sizes from 10 gauge through 24 gauge.

Ideal Wire-Nut® comply with Federal Specification W-S-610E, are UL Listed (#E5238) for branch circuit and fixture splicing applications and are CSA certified (#LR 9706).

UL LISTING

PROD. #	COLOR CODE	WIRE COMBINATION RANGE	UL LISTING			
			Max. Voltage	Copper to Copper	Aluminum to Aluminum	Copper to Aluminum (dry locations only)
ID30-071	GRAY	22 thru 16 AWG Min. 1 #20 & 1 #22 Max. 2 #16	300	YES	NO	NO
ID30-072	BLUE	22 thru 14 AWG Min. 3 #20 Max. 3 #16	300	YES	NO	NO
ID30-073	ORANGE	22 thru 14 AWG Min. 3 #20 Max. 3 #16 & 1 #18	600	YES	NO	NO
ID30-074	YELLOW	18 thru 12 AWG Min. 1 #14 & 1 #18 Max. 4 #14 & 1 #18	600	YES	YES	YES
ID30-076	RED	18 thru 10 AWG Min. 2 #14 Max. 2 #10 & 2 #12	600	YES	YES	YES

- Five color-coded models cover a full range of wire sizes from 22 through 8 AWG
- Fixed, square-wire spring creates its own threads – maintains a secure positive grip that will not relax over time
- No pre-twisting required – positive grip design provides fast, easy installation
- Deep, wide skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- Reusable for easy circuit changes and additions
- Tough, UL94V-2 flame-retardant shell rated at 105°C (221°F)
- UL 486C Listed and CSA 22.2 #188 Certified; comply with Federal Specification W-S-610E
- Classified in accordance with IEC Publications 998-2 and 998-2-4



STANDARD RECOMMENDED ATA COLOR CODE

WHITE.....	Ground Return to Towing Vehicle
BLACK.....	ICC Required Marker and Clearance Lamps
RED.....	Stop Lamp
GREEN.....	Right Hand Directional Signal
YELLOW.....	Left Hand Directional Signal
BROWN.....	Tail Lamp, Three-Bar Marker Lamp, Clearance and Marker Lamps OTHER THAN ICC REQUIRED
BLUE.....	Auxiliary Circuits

VOLTS multiplied by AMPS = WATTS
WATTS divided by AMPS = VOLTS
WATTS divided by VOLTS = AMPS

STANDARD RECOMMENDED WIRE GAUGES for AUTOMOTIVE 6 and 12 Volt SYSTEMS

LOAD in AMPS	LENGTH OF FEET IN RUN						
	6V	12V	3'	10'	15'	25'	50' 100'
0.5	1.0	18	18	18	18	18	18
1.0	2.0	18	18	18	18	18	16
1.5	3.0	18	18	18	18	18	14
2.5	5.0	18	18	18	18	14	12
5.0	10.0	18	18	16	16	12	10
7.5	15.0	18	18	14	12	10	8
10.0	20.0	18	16	14	10	10	6
15.0	30.0	18	14	10	10	6	4
20.0	40.0	18	12	10	8	6	2
25.0	50.0	16	12	10	8	6	2
50.0	100.0	12	10	6	4	2	0
75.0	150.0	10	8	4	2	1	00
100.0	200.0	10	6	4	2	0	4/0

WIRE GAUGE CONVERSION CHART

MOVE DECIMAL POINT (3) PLACES
TO THE RIGHT TO READ mils

AWG	DIAMETER IN Inches	CMA	AWG	DIAMETER IN Inches	CMA
4/0	.460	212,000	19	.036	1,290
3/0	.410	168,000	20	.032	1,020
2/0	.365	133,000	21	.0285	810
1/0	.325	106,000	22	.0253	642
1	.289	83,700	23	.0226	509
2	.258	66,400	24	.0201	404
3	.229	52,600	25	.0179	320
4	.204	41,700	26	.0159	254
5	.182	33,100	27	.0142	202
6	.162	26,300	28	.0126	160
7	.144	20,800	29	.0113	127
8	.128	16,500	30	.0100	101
9	.114	13,100	31	.0089	79.7
10	.102	10,400	32	.0080	63.2
11	.091	8,230	33	.0071	50.1
12	.081	6,530	34	.0063	39.8
13	.072	5,180	35	.0056	31.5
14	.064	4,110	36	.0050	25.0
15	.057	3,260	37	.0045	19.8
16	.051	2,580	38	.0040	15.7
17	.045	2,050	39	.0035	12.5
18	.040	1,620	40	.0031	9.9

WIRE and CABLE CARRYING CAPACITIES CHART

CABLE GAUGE	LIGHT CIRCUIT CABLE (Continuous Duty)	BATTERY CABLE (Intermittent Duty)	WELDING CABLE (Up to 50 feet)
18	3 Amperes	.....	.....
16	6 Amperes	.....	.....
14	15 Amperes	.....	.....
12	20 Amperes	.....	.....
10	25 Amperes	.....	.....
8	35 Amperes	.....	.....
6	50 Amperes	90 Amperes	60 Amperes
4	.....	125 Amperes	150 Amperes
2	.....	150 Amperes	200 Amperes
1	.....	200 Amperes	250 Amperes
1/0	.....	225 Amperes	300 Amperes
2/0	.....	275 Amperes	400 Amperes
3/0	.....	325 Amperes	.....
4/0	.....	.....	.....

NOTE: Intermittent Duty Battery Cable is capable of carrying 200% of its rated ampere capacity.

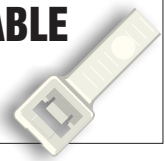
To determine ampere loads in lamp circuits, add the candle power in the circuit and divide that figure by 8.

WIRE TIES & WIRE/CABLE ACCESSORIES



Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories Wire & Cable Accessories

*Including
Wire Tie Tools & Mounts, Clamps,
Heat Shrink Tube & Loom*



STANDARD WIRE TIES

Wire Ties are used to secure wire bundles, cables, and harnesses. They are constructed in a one piece design from self-extinguishing 6/6 nylon which remains continuously serviceable over a temperature range of -40 degrees F (-40 degrees C) to +185 degrees F (+85 degrees C). Some wire ties meet military specifications and some are UL listed as a recognized component. Please consult our Customer Service Department for any specific information you may require.

To order ELECTRO-FAST Wire Ties, insert the packaging amount desired between the two parts of our catalog number. Wire Ties are only sold in multiples of their standard packaging amounts. SEE EXAMPLE BELOW.

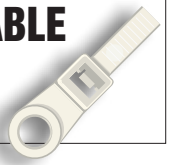
All Wire Ties listed are supplied in either **Natural White** nylon or **Ultraviolet Resistant Black** nylon. To order ULTRAVIOLET RESISTANT BLACK, add the suffix "**UV**" to the end of our product number.

USE "M" for 1000 pieces
USE "D" for 500 pieces
USE SUFFIX "UV" for Black:

EXAMPLE: For: 1000 WT-8MH Ultraviolet Resistant
Order: WT-M-8MHUV

PRODUCT NUMBER	STANDARD PACKAGING	MAXIMUM BUNDLE DIAMETER	MINIMUM TENSILE STRENGTH	OVERALL LENGTH	WIDTH	UL	MILITARY SPECIFICATION
WT-3	100 / 1000	5/8"	18 lbs.	3-3/8"	.08"	YES	MS3367-4
WT-4	100 / 1000	3/4"	18 lbs.	3-5/8"	.10"	YES	MS3367-4
WT-6LD	100 / 1000	1-1/4"	18 lbs.	5-3/4"	.10"	YES	MS3367-4
WT-6	100 / 1000	1-1/4"	40 lbs.	5-9/16"	.14"	YES	MS3367-5
WT-8LD	100 / 1000	2"	18 lbs.	8"	.10"	YES	MS3367-4
WT-8ID	100 / 1000	2"	30 lbs.	8"	.14"	YES	-
WT-8	100 / 1000	1-3/4"	50 lbs.	7-3/8"	.18"	YES	MS3367-1
WT-8HD	50 / 500	2"	120 lbs.	8-7/8"	.30"	YES	MS3367-6
WT-12	100 / 1000	3"	50 lbs.	11-7/16"	.18"	YES	MS3367-7
WT-12HD	50 / 500	3"	120 lbs.	11-7/8"	.30"	YES	-
WT-15	100 / 1000	4"	50 lbs.	14-3/8"	.18"	YES	MS3367-2
WT-15HD	50 / 500	4"	120 lbs.	14-3/8"	.30"	YES	MS3367-3
WT-21HD	25	6"	175 lbs.	21"	.35"	YES	MS3367-3
WT-32HD	25	9"	175 lbs.	32"	.35"	YES	MS3367-6

NOTE: Other styles, lengths, low profiles, colors, identification ties, etc., are available. Please contact our Customer Service Department at **1-800-854-2201**.



MOUNTING HOLE WIRE TIES

Wire Ties are used to secure wire bundles, cables, and harnesses. They are constructed in a one piece design from self-extinguishing 6/6 nylon which remains continuously serviceable over a temperature range of -40 degrees F (-40 degrees C) to +185 degrees F (+85 degrees C). Some wire ties meet military specifications and some are UL listed as a recognized component. Please consult our Customer Service Department for any specific information you may require.

To order ELECTRO-FAST Wire Ties, insert the packaging amount desired between the two parts of our catalog number. Wire Ties are only sold in multiples of their standard packaging amounts. SEE EXAMPLE BELOW.

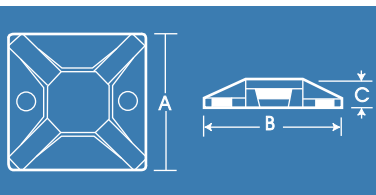
All Wire Ties listed are supplied in either **Natural White** nylon or **Ultraviolet Resistant Black** nylon. To order ULTRAVIOLET RESISTANT BLACK, add the suffix "**UV**" to the end of our product number.

USE "M" for 1000 pieces
USE "D" for 500 pieces
USE SUFFIX "UV" for Black:

EXAMPLE: For: 1000 WT-8MH Ultraviolet Resistant
Order: WT-M-8MHUV

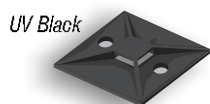
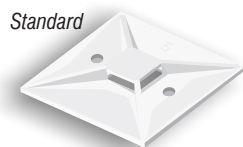
PRODUCT NUMBER	STANDARD PACKAGING	MAXIMUM BUNDLE DIAMETER	MINIMUM TENSILE STRENGTH	OVERALL LENGTH	WIDTH	UL	STUD HOLE SIZE
WT-4MH	100 / 1000	3/4"	18 lbs.	4-1/4"	.10"	YES	#4
WT-6MH	100 / 1000	1-1/4"	30 lbs.	6-1/4"	.14"	YES	#8
WT-8MH	100 / 1000	1-3/4"	50 lbs.	8-1/2"	.18"	YES	#10
WT-15MH	100 / 1000	4"	50 lbs.	16"	.18"	YES	#10
WT-15HDMH	50 / 500	4"	120 lbs.	16-1/4"	.30"	YES	1/4"

*Wire Ties are UL Listed under File number E64139(N) as a recognized component in equipment where acceptability of the combination is determined by Underwriters Laboratories, Inc. This eliminates the separate testing of wire ties in each end product where UL listing is required.



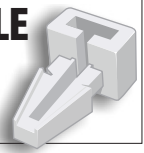
WIRE MOUNTING BASES

The MT Series Mounts are available in three sizes to accommodate the entire range of Wire Ties. Insertion of ties can be made from all four sides. Each size mount is offered two ways for fastening with screws or for fastening with adhesive.

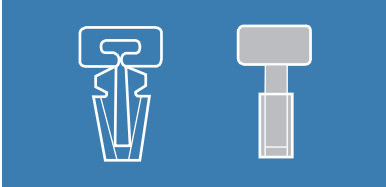


PRODUCT NO.	MOUNT TYPE	WIRE TIES ACCEPTED	DIMENSIONS-INCHES			STANDARD PACKAGE
			A	B	C	
WT-MTS	#4 SCREWS ADHESIVE	18 lb., 30 lb.	.750	.750	.150	50
WT-MT	#8 SCREWS ADHESIVE	18 lb. thru 50 lb.	1.125	1.125	.190	50
WT-MTL	#8 SCREWS ADHESIVE	18 lb. thru 175 lb.	1.500	1.500	.250	50

NOTE: For Black ULTRAVIOLET RESISTANT add "UV" Suffix at end of Product Number.



PUSH MOUNT

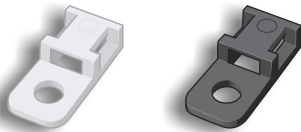
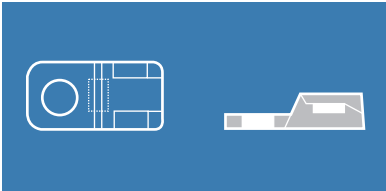


WIRE TIE MOUNTS

Intended for use in a pre-drilled hole, this push mount accepts all 18 pound through 50 pound wire ties. Once inserted through the hole the mount locks into place.

PRODUCT NO.	WIRE TIES ACCEPTED	MOUNT TYPE
TYPM-1	18 lb. thru 50 lb.	1/4" HOLE

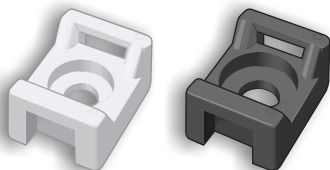
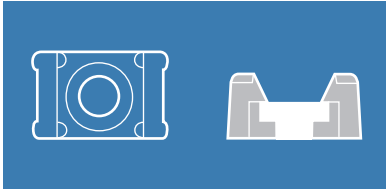
ANCHOR MOUNT



Wire Ties may be inserted from any of the four sides of the anchor mount. This feature allows the mount to be placed parallel or perpendicular to the wires.

PRODUCT NO.	WIRE TIES ACCEPTED	MOUNT TYPE
TYCTAM-1	18 lb. thru 50 lb.	#8 SCREW
TYCTAM-2	18 lb. thru 50 lb.	#10 SCREW

CRADLE MOUNT



The Cradle Mounts are designed to provide stability to wire bundles.

PRODUCT NO.	WIRE TIES ACCEPTED	MOUNT TYPE
TYCTM-0	18 lb. thru 50 lb.	#6 SCREW
TYCTM-1	18 lb. thru 50 lb.	#8 SCREW
TYCTM-3	18 lb. thru 50 lb.	#10 SCREW
TYCTM-4	18 lb. thru 120 lb.	1/4" SCREW

WIRE TIE TOOLS



TYMK5 The Mark 5 is made from polycarbonate material and features a short squeeze stroke. For use with 18 through 50 pound ties. Conforms to MS90387 specification.



TYMK6 The Mark 6 provides uniform tensioning and flush cut-off for 50 through 175 pound ties.



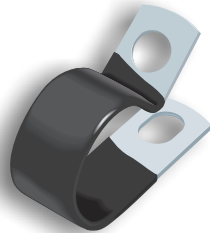
TYTWT-1 for 18 through 50 lb. Ties.
TYTWT-2 for 50 through 175 lb. Ties

“**TWISTERS**” are lightweight economical installation tools that fit into your pocket. User controlled tensioning and cut-off offers speed and efficiency.



RUBBERIZED BODY CLAMPS

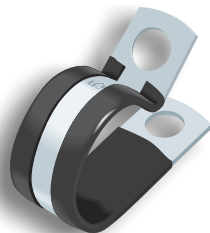
All Rubberized Body Clamps are furnished in zinc plated steel with a 1/32" thick black vinyl coating.



PRODUCT NO.	CLAMPING DIAMETER	BOLT DIAMETER	MATERIAL WIDTH
COV 1/4x1/4	1/4"	1/4"	1/2"
COV 1/4x3/8	1/4"	3/8"	3/4"
COV 5/16x1/4	5/16"	1/4"	1/2"
COV 5/16x3/8	5/16"	3/8"	3/4"
COV 3/8x1/4	3/8"	1/4"	1/2"
COV 3/8x3/8	3/8"	3/8"	3/4"
COV 7/16x1/4	7/16"	1/4"	1/2"
COV 7/16x3/8	7/16"	3/8"	3/4"
COV 1/2x1/4	1/2"	1/4"	1/2"
COV 1/2x3/8	1/2"	3/8"	3/4"
COV 5/8x1/4	5/8"	1/4"	1/2"
COV 5/8x3/8	5/8"	3/8"	3/4"
COV 3/4x1/4	3/4"	1/4"	1/2"
COV 3/4x3/8	3/4"	3/8"	3/4"
COV 7/8x1/4	7/8"	1/4"	1/2"
COV 7/8x3/8	7/8"	3/8"	3/4"
COV 7/8x1/2	7/8"	1/2"	1"
COV 1x3/8	1"	3/8"	3/4"
COV 1x1/2	1"	1/2"	1"
COV 1-1/4x1/4	1-1/4"	1/4"	1/2"
COV 1-1/4x3/8	1-1/4"	3/8"	3/4"
COV 1-3/8x3/8	1-3/8"	3/8"	3/4"
COV 1-1/2x1/4	1-1/2"	1/4"	1/2"
COV 1-1/2x3/8	1-1/2"	3/8"	3/4"
COV 1-3/4x3/8	1-3/4"	3/8"	3/4"
COV 2x1/4	2"	1/4"	1/2"
COV 2x3/8	2"	3/8"	3/4"

STAINLESS STEEL CUSHION CLAMPS

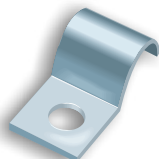
All Cushion Clamps are furnished in Stainless Steel (type 302/321 for excellent corrosion protection) with a black neoprene cushion coating as shown. These clamps are for use in mounting wire, cables or hoses where weight, dampening vibration, abrasion, and rigorous environmental conditions are factors.



PRODUCT NO.	CLAMPING DIAMETER	BOLT DIAMETER	MATERIAL WIDTH
BSSCO4	1/4"	1/4"	1/2"
BSSCO6	3/8"	1/4"	1/2"
BSSCO8	1/2"	1/4"	1/2"
BSSCO10	5/8"	1/4"	1/2"
BSSCO12	3/4"	1/4"	1/2"
BSSCO14	7/8"	1/4"	1/2"
BSSCO16	1"	1/4"	1/2"
BSSCO20	1-1/4"	1/4"	1/2"
BSSCO24	1-1/2"	1/4"	1/2"
BSSCO28	1-3/4"	1/4"	1/2"
BSSCO32	2"	1/4"	1/2"
BSSCO40	2-1/2"	1/4"	1/2"
BSSCO48	3"	1/4"	1/2"

STANDARD LOOM CLAMPS

All Standard Loom Clamps are furnished in zinc plated steel.



PRODUCT NO.	CLAMPING DIAMETER	BOLT DIAMETER	MATERIAL WIDTH
CH 1/4x3/16	1/4"	3/16" (#10 Screw)	1/2"
CH 3/8x1/4	3/8"	1/4"	5/8"
CH 1/2x1/4	1/2"	1/4"	5/8"
CH 5/8x1/4	5/8"	1/4"	5/8"

NOTE: Other sizes are available. Please contact our Customer Service Department at 1-800-854-2201.



RUBBERIZED LOOM CLAMPS

All Rubberized Loom Clamps are furnished in zinc plated steel with a 1/32" thick black vinyl coating.



PRODUCT NO.	CLAMPING DIAMETER	BOLT DIAMETER	MATERIAL WIDTH
CHV 1/4x3/16	1/4"	3/16" (#10 Screw)	1/2"
CHV 3/8x1/4	3/8"	1/4"	5/8"
CHV 1/2x1/4	1/2"	1/4"	5/8"
CHV 5/8x1/4	5/8"	1/4"	5/8"
CHV 3/4x1/4	3/4"	1/4"	5/8"

NYLON CABLE CLAMPS

ELECTRO-FAST'S White Nylon Cable Clamps are manufactured from 6/6 nylon and are designed for use in the electronics, automotive, aircraft, and appliance industries. These Nylon Clamps are all supplied with a #10 (3/16") mounting hole. All cable contact edges of the clamp are rounded for cable protection.

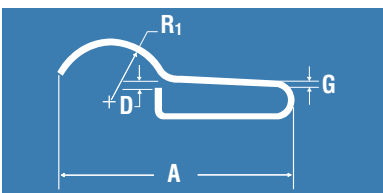


WHITE NYLON



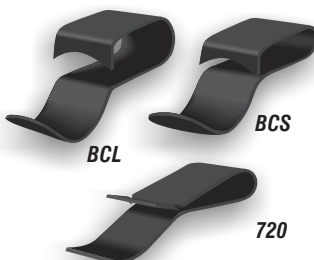
BLACK ULTRAVIOLET RESISTANT NYLON

PRODUCT NO. WHITE NYLON	PRODUCT NO. UV RESISTANT BLACK NYLON	CLAMPING DIAMETER	MATERIAL WIDTH
NC-1/8C	NC-1/8UV	1/8"	3/8"
NC-3/16C	NC-3/16UV	3/16"	3/8"
NC-1/4C	NC-1/4UV	1/4"	1/2"
NC-5/16C	NC-5/16UV	5/16"	1/2"
NC-3/8C	NC-3/8UV	3/8"	1/2"
NC-1/2C	NC-1/2UV	1/2"	1/2"
NC-5/8C	NC-5/8UV	5/8"	1/2"
NC-3/4C	NC-3/4UV	3/4"	1/2"
NC-7/8C	NC-7/8UV	7/8"	1/2"
NC-1C	NC-1UV	1"	1/2"
NC-1 1/4C	NC-1 1/4UV	1-1/4"	1/2"
NC-1 1/2C	NC-1 1/2UV	1-1/2"	1/2"

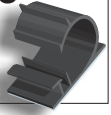


BODY CLIPS

ELECTRO-FAST's Body Clips (also referred to as Frame Clips, Loom Clips or Cable Clips) are manufactured of tempered spring steel with a black zinc plate finish as shown. All clips are 1/2" wide.

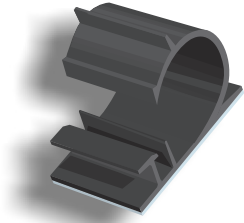


PRODUCT NO.	G	A	D	R ₁
BCS	.032"	1-1/16"	3/64"	1/4"
BCM	.032"	1-5/8"	1/16"	3/8"
BCL	.032"	1-9/16"	1/8"	3/8"
720	.042"	1-7/8"	1/8"	3/8"



ADHESIVE CABLE CLAMPS

Adhesive Cable Clamps are made from rugged, Ultraviolet Resistant black PVC with a self-adhesive strip for mounting. Operating temperature range is 40 degrees F to 150 degrees F. UL rated 94V-0.



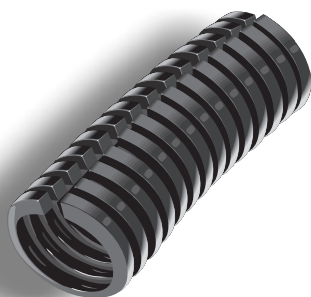
PRODUCT NO.	CLAMPING DIAMETER	(L)	(W)	COLOR	STANDARD PACKAGE	UL
KKL-3	3/16"	1/2"	3/4"	BLACK	25	YES
KKL-4	1/4"	1/2"	1"	BLACK	25	YES
KKL-6	3/8"	1/2"	1"	BLACK	25	YES
KKL-8	1/2"	1/2"	1-1/4"	BLACK	25	YES
KKL-10	5/8"	5/8"	1-1/4"	BLACK	25	YES
KKL-12	3/4"	3/4"	1-1/2"	BLACK	25	YES
KKL-3B	3/16"	1"	3/4"	BLACK	25	YES
KKL-4B	1/4"	1"	1"	BLACK	25	YES
KKL-6B	3/8"	1"	1"	BLACK	25	YES
KKL-8B	1/2"	1"	1-1/4"	BLACK	25	YES
KKL-10B	5/8"	1-1/4"	1-1/4"	BLACK	25	YES
KKL-12B	3/4"	1-1/2"	1-1/2"	BLACK	25	YES



CONVOLUTED ZIP LOOM

ELECTRO-FAST's Convoluted Zip Loom is available in two standard materials. This "ZL" is manufactured from polyethylene rated at 200 degrees F. ELECTRO-FAST's High Temperature Zip Loom is manufactured from heat stabilized Nylon type 6 which is rated at 300 degrees F. Our Convoluted Looms meet the following specifications:

Ford ESB-M4D152-A, Packard M2092, and Federal Moto Standard FMVSS-302; Light Temperature: Chrysler MSDB48, and Ford ESF-M4D-101-A. Both the standard "ZL" and the High Temperature Looms are available in Black. The High Temperature Loom features a narrow gray striping for visual identification.



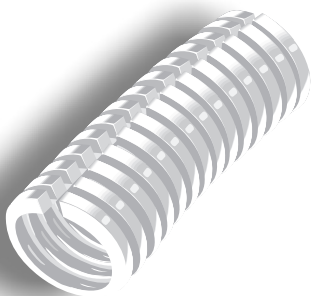
PRODUCT NUMBER	STANDARD COIL 100'	PRODUCT NUMBER (Bulk Boxes)	BULK (UPS-able Boxes)	INSIDE DIAMETER
ZL-C-1/4	100'	ZL-1/4	3200'	.265
ZL-C-3/8	100'	ZL-3/8	1900'	.350
ZL-C-7/16	100'	ZL-7/16	1500'	.415
ZL-C-1/2	100'	ZL-1/2	1100'	.505
ZL-C-5/8	100'	ZL-5/8	800'	.665
ZL-C-3/4	100'	ZL-3/4	550'	.760
ZL-C-1	100'	ZL-1	300'	.915
ZL-C-1-1/4	100'	ZL-1-1/4	250'	1.550
ZL-C-1-1/2	100'	ZL-1-1/2	150'	1.590
ZL-C-2	100'	ZL-2	100'	1.845

EXAMPLE FOR ORDERING: For **HIGH TEMPERATURE Zip Loom**, add the Suffix "**HT**" at the end of the above specific Product Number: ZL-1/4HT. **Also Specify "STANDARD COIL" or "BULK UPSable BOX."**

NOTE: GAYLORD quantities are available upon request. Also, many other Loom types in other materials and colors (split and unsplit Looms) are available.

MARINE CONVOLUTED ZIP LOOM V-2 UL94

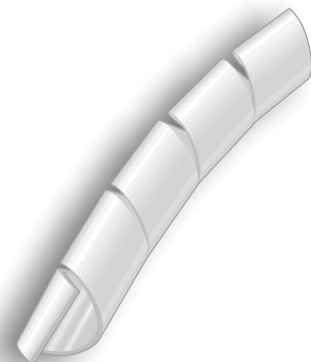
ELECTRO-FAST's Marine Convoluted Zip Loom is manufactured out of a V-2 rated material that has been tested by and listed with UL as having passed the requirements for a V-2 rating at 0.8 mm in accordance with the UL-94 testing procedure. As specified by ABYC Section E-8.15.10 the loom used to cover conductors shall be self-extinguishing, classified as V-2 or better in accordance with UL-94 tests for Flammability Of Plastic Materials.



PRODUCT NUMBER (Black with blue stripe)	PRODUCT NUMBER (White)
ZL-1/4 V2	WZL-1/4 V2
ZL-3/8 V2	WZL-3/8 V2
ZL-7/16 V2	WZL-7/16 V2
ZL-1/2 V2	WZL-1/2 V2
ZL-5/8 V2	WZL-5/8 V2
ZL-3/4 V2	WZL-3/4 V2
ZL-1 V2	WZL-1 V2
ZL-1-1/4 V2	WZL-1-1/4 V2
ZL-1-1/2 V2	WZL-1-1/2 V2
ZL-2 V2	WZL-2 V2

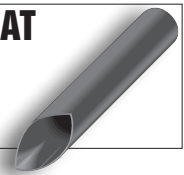
SPIRAL CABLE WRAP

Spiral cut Cable Wrap is an expandable plastic cable harness which serves a variety of applications. It can be used to bundle wires, cables, hoses and tubing. Its excellent flexibility allows it to wrap on like tape, hold firmly and is abrasion resistant but is easy to remove and use again. Cable wrap permits wire and hose breakouts in any direction and allows easy routing or rerouting of existing or news. Natural (clear) is recommended for indoor applications. Black ultraviolet resistant is recommended for outdoor applications.



PRODUCT NO. Clear Polyethylene	PRODUCT NO. Black Polyethylene*	MAX. BUNDLE RANGE	DIAMETER	STANDARD PACKAGING
SW-1/8	SW-1/8UV	1/16" to 1/2"	1/8" (.125)	100' SPOOLS
SW-1/4	SW-1/4UV	3/16" to 2"	1/4" (.250)	100' SPOOLS
SW-3/8	SW-3/8UV	5/16" to 3"	3/8" (.375)	100' SPOOLS
SW-1/2	SW-1/2UV	3/8" to 4"	1/2" (.500)	100' SPOOLS
SW-3/4	SW-3/4UV	3/4" to 5"	3/4" (.750)	100' SPOOLS
SW-1	SW-1UV	1" to 7"	1" (1.00)	100' SPOOLS

*Ultraviolet Resistant



HEAT SHRINK TUBING- THIN WALL

ELECTRO-FAST's Thin Wall Heat Shrink Tubing is manufactured from irradiated flexible polyolefin for excellent stability and water resistance. Rate for up to 600 volt applications, this insulating material is tough, will not cold flow, never melts and will not split when shrunk over sharp or irregularly shaped objects. Shrink ratio is 2: 1 at shrink temperature of 90 degrees C. Our Heat Shrink is UL approved (UL style 224) with a VW-1 Clas 1 rating.

Colors Available: Standard Black and Red. Add Suffix "B" (Black); "R" (Red).

Various other colors are available.

Please contact our Customer Service Department for details. 1-800-854-2201

PRODUCT NO. (BULK)	STANDARD SPOOL QUANTITY	EXPANDED INSIDE DIAMETER	MAX. RECOVERED INSIDE DIAMETER	COLOR
HS-1/8	100'	1/8"	.062"	BLACK
HS-3/16	100'	3/16"	.093"	BLACK
HS-1/4	100'	1/4"	.125"	BLACK
HS-3/8	100'	3/8"	.187"	BLACK
HS-1/2	100'	1/2"	.250"	BLACK
HS-3/4	100'	3/4"	.375"	BLACK
HS-1	100'	1"	.500"	BLACK

NOTE: Other sizes, spool lengths, materials and colors are available. Contact our Customer Service Department at 1-800-854-2201.

HEAT SHRINK TUBING- DUAL WALL with ADHESIVE

Dual Wall Heat Shrink Tubing with meltable adhesive liner is constructed of irradiated flexible polyolefin with a 3:1 shrink ratio at 115 degrees C. The inner lining of adhesive affords waterproof protection when properly applied. Excellent for high environmental temperature applications such as proximity to engines or in engine room applications.

Colors Available: Black, Red, Clear. Add Suffix "B" (Black); "R" (Red); (C) Clear.

4 foot lengths are also available. Please contact our Customer Service Department for details. 1-800-854-2201

EXAMPLE FOR ORDERING:

1/2" Dual Wall Red Heat Shrink Tubing = HS-1/2R DW

PRODUCT NO. (BULK)	WIRE / CABLE RANGE	EXPANDED INSIDE DIAMETER	MAX. RECOVERED INSIDE DIAMETER	COLOR
HS-1/8 D/W	Up to 18 GA	1/8" (.125)	.0394"	BLK/RED/CLR
HS-3/16 D/W	20 GA thru 12 GA	3/16" (.187)	.0591"	BLK/RED/CLR
HS-1/4 D/W	18 GA thru 10 GA	1/4" (.250)	.0787"	BLK/RED/CLR
HS-3/8 D/W	16 GA thru 6 GA	3/8" (.375)	.1181"	BLK/RED/CLR
HS-1/2 D/W	8 GA thru 4 GA	1/2" (.500)	.1614"	BLK/RED/CLR
HS-3/4 D/W	4 GA thru 3/0	3/4" (.750)	.3110"	BLK/RED/CLR
HS-1 D/W	2 GA thru 4/0	1" (1.00)	.3937"	BLK/RED/CLR

NOTE: 4 foot lengths are available. Other sizes, spool lengths, materials and colors are available. Contact our Customer Service Department at 1-800-854-2201.

HEAT SHRINK TUBING- HEAVY WALL with ADHESIVE

ELECTRO-FAST's Heavy Wall Heat Shrink Tubing with adhesive inner lining assures maximum abrasion protection and strain relief. The meltable adhesive inner seals out moisture and air preventing corrosion. "HS" Heavy Wall Heat Shrink Tubing has a 3:1 shrink ratio.

Colors Available: Black, Red. Add Suffix "B" (Black); "R" (Red).

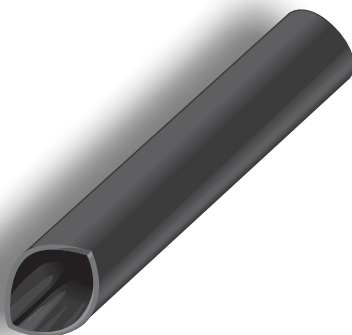
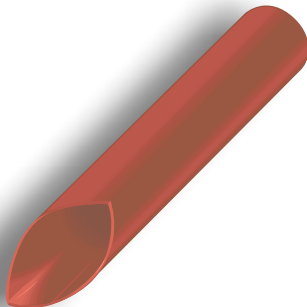
NOTE: ELECTRO-FAST offers Portable Heat Guns for use with Heat Shrink Tubing and Heat Shrink Terminals.

Please contact our Customer Service Department for details at 1-800-854-2201.

EXAMPLE FOR ORDERING: 4 ga. thru 4/0 Heavy Wall Red Heat Shrink Tubing = HS2-4/0R H/W

PRODUCT NO. (BULK)	WIRE / CABLE RANGE	EXPANDED INSIDE DIAMETER	MAX. RECOV'D. INSIDE DIAMETER	RECOV'D. WALL THICKNESS	LENGTH	COLOR
HS18-14 H/W	18 GA thru 14 GA	.300"	.100"	.060"	6"	BLK/RED
HS14-6 H/W	12 GA thru 6 GA	.400"	.150"	.060"	6"	BLK/RED
HS8-1 H/W	6 GA thru 1GA	.750"	.250"	.095"	6"	BLK/RED
HS2-4/0 H/W	4 GA thru 4/0	1.100"	.375"	.120"	6"	BLK/RED
HS1-1/2 H/W	4/0 thru 400 MCM	1.500"	.500"	.140"	6"	BLK/RED

NOTE: Other sizes, spool lengths, materials and colors are available. Contact our Customer Service Department at 1-800-854-2201.





STANDARD HOSE CLAMPS

Our **HC Series** of standard sized Hose Clamps is manufactured with a 300 Series stainless steel housing with a 305 stainless steel 5/16" hex head screw. The miniature sizes are manufactured with a 301 series stainless steel 5/16 wide band and 301 stainless steel housing, with a 410 stainless steel 1/4" hex head screw. This economical series of hose clamps is suitable for marine applications where a non-magnetic clamp is not required. These specifications also apply to the Miniature Clamps Series below.

The **HCM Series** Hose Clamps are manufactured of high nickel content 300 Series stainless steel in both the standard and miniature sizes. The stainless steel construction of these highly corrosion resistant, non-magnetic clamps will not pit and become brittle with prolonged exposure to marine environments. The four piece construction with 9/16" wide band (miniatures are 5/16" wide) affords greater torque tightening force.

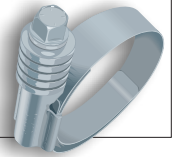


PROD. # HC SERIES	RANGE/ CLAMP DIA.		PROD. # HCM SERIES	RANGE/ CLAMP DIA.	
	Min.	Max.		Min.	Max.
HC-6	3/8"	7/8"	HCM-6	7/16"	25/32"
HC-8	7/16"	1"	HCM-8	1/2"	29/32"
HC-10	9/16"	1-1/16"	HCM-10	9/16"	1-1/16"
HC-12	9/16"	1-1/4"	HCM-12	11/16"	1-1/4"
HC-16	11/16"	1-1/2"	HCM-16	13/16"	1-1/2"
HC-20	3/4"	1-3/4"	HCM-20	13/16"	1-3/4"
HC-24	1-1/16"	2"	HCM-24	1-1/16"	2"
HC-28	1-5/16"	2-1/4"	HCM-28	1-5/16"	2-1/4"
HC-32	1-9/16"	2-1/2"	HCM-32	1-9/16"	2-1/2"
HC-36	1-13/16"	2-3/4"	HCM-36	1-13/16"	2-3/4"
HC-40	2-1/16"	3"	HCM-40	2-1/16"	3"
HC-44	2-5/16"	3-1/4"	HCM-44	2-5/16"	3-1/4"
HC-48	2-9/16"	3-1/2"	HCM-48	2-9/16"	3-1/2"
HC-52	2-13/16"	3-3/4"	HCM-52	2-13/16"	3-3/4"
HC-56	3-1/16"	4"	HCM-56	3-1/16"	4"
HC-64	3-9/16"	4-1/2"	HCM-60	3-5/16"	4-1/4"
HC-72	4-1/16"	5"	HCM-64	3-9/16"	4-1/2"
HC-80	4-5/8"	5-1/2"	HCM-72	1-7/8"	5"
HC-88	4/3/32"	6"	HCM-80	2-1/2"	5-1/2"
HC-96	4-1/2"	6-1/2"	HCM-88	3-1/8"	6"
HC-104	5"	7"	HCM-96	3-5/8"	6-1/2"
HC-128	6-1/2"	8-1/2"	HCM-104	4-1/8"	7"
HC-152	8"	10"	HCM-128	5-5/8"	8-1/2"
HC-188	10-1/4"	12-1/4"	HCM-152	7-1/8"	10"

MINIATURE HOSE CLAMPS

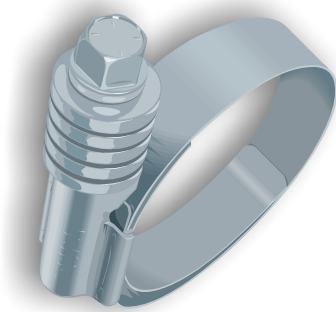


PROD. # HC SERIES	RANGE/ CLAMP DIA.		PROD. # HCM SERIES	RANGE/ CLAMP DIA.	
	Min.	Max.		Min.	Max.
HC-4M	7/32"	5/8"	HCM-4M	7/32"	5/8"
HC-6M	5/16"	7/8"	HCM-6M	7/16"	25/32"
HC-8M	7/16"	1"	HCM-8M	1/2"	29/32"
HC-12M	9/16"	1-1/4"	HCM-10M	9/16"	1-1/16"



CONSTANT TORQUE® CLAMPS

A revolutionary clamp that reacts to changes in hose systems by actually increasing or decreasing its own diameter as the system expands or contracts. The CONSTANT-TORQUE® Clamping System is the answer for any manufacturer experiencing leakage or rupture problems because of "cold flow" or changes in environmental or operational temperatures.



AERO-SEAL construction for use on small diameter applications. Torque rated 30-70 in/lbs.

PRODUCT NUMBER	RANGE/ CLAMP DIA.	
	Min.	Max.
CT-9410	9/16"	1-1/16"
CT-9412	11/16"	1-1/4"
CT-9416	13/16"	1-1/2"
CT-9420	13/16"	1-3/4"
CT-9424	1-1/16"	2"
CT-9428	1-5/16"	2-1/4"
CT-9432	1-9/16"	2-1/2"
CT-9436	1-13/16"	2-3/4"
CT-9440	2-1/16"	3"
CT-9444	2-5/16"	3-1/4"

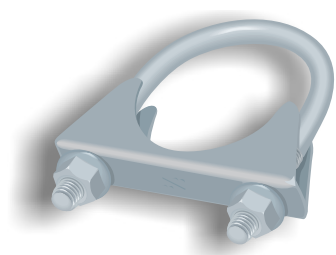
Heavy-Duty construction for use on large diameter applications. Torque rated 50-125 in/lbs.

PRODUCT NUMBER	RANGE/ CLAMP DIA.	
	Min.	Max.
CT-200L	1-1/4"	2-1/8"
CT-250L	1-3/4"	2-5/8"
CT-300L	2-1/4"	3-1/8"
CT-350L	2-3/4"	3-5/8"
CT-400L	3-1/4"	4-1/8"
CT-450L	3-3/4"	4-5/8"
CT-500L	4-1/4"	5-1/8"
CT-550L	4-3/4"	5-5/8"
CT-600L	5-1/4"	6-1/8"
CT-650L	5-3/4"	6-5/8"
CT-700L	6-1/4"	7-1/8"
CT-750L	6-3/4"	7-5/8"
CT-800L	7-1/4"	8-1/8"
CT-850L	7-3/4"	8-5/8"
CT-900L	8-1/4"	9-1/8"

NOTE: Larger sizes available upon request. Please contact our Customer Service Department at 1-800-854-2201.

MUFFLER CLAMPS

Muffler Clamps are available in HEAVY DUTY "saddle type" with a 3/8" diameter "U" bolt and flange nuts.



PRODUCT NUMBER HEAVY DUTY	CLAMP SIZE
MU-1-1/2HD	1-1/2"
MU-1-3/4HD	1-3/4"
MU-1-7/8HD	1-7/8"
MU-2HD	2"
MU-2-1/8HD	2-1/8"
MU-2-1/4HD	2-1/4"
MU-2-1/2HD	2-1/2"
MU-2-3/4HD	2-3/4"
MU-3HD	3"
MU-3-1/4HD	3-1/4"
MU-3-1/2HD	3-1/2"
MU-4HD	4"
MU-4-1/2HD	4-1/2"
MU-5HD	5"
MU-5-1/2HD	5-1/2"
MU-6HD	6"

NOTE: Larger sizes available upon request. Please contact our Customer Service Department at 1-800-854-2201.

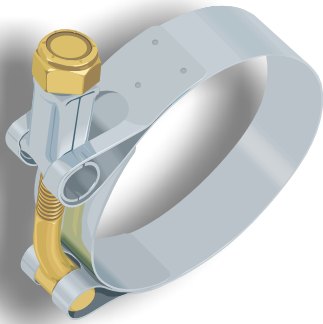


T-BOLT CLAMPS

A complete line of T-Bolt, spring loaded T-Bolt, V-Band coupling, and other specialty clamps are available for heavy-duty vehicle, construction, military and commercial applications. T-Bolt clamps are available in size increments of 1/16". Standard T-Bolt clamps have a carbon steel bolt and nut, but are available as 100% stainless steel and marine grade stainless steel.

RANGE/ CLAMP DIA.

PRODUCT NO.	Min.	Max.
TB125	1-1/4"	1-13/32"
TB138	1-3/8"	1-9/16"
TB150	1-1/2"	1-11/16"
TB163	1-5/8"	1-7/8"
TB175	1-3/4"	2"
TB188	1-7/8"	2-3/16"
TB200	2"	2-5/16"
TB213	2-1/8"	2-7/16"
TB225	2-1/4"	2-9/16"
TB238	2-3/8"	2-11/16"
TB250	2-1/2"	2-13/16"
TB263	2-5/8"	2-15/16"
TB275	2-3/4"	3-1/16"
TB288	2-7/8"	3-3/16"
TB300	3"	3-5/16"
TB313	3-1/8"	3-7/16"
TB325	3-1/4"	3-9/16"
TB338	3-3/8"	3-11/16"
TB350	3-1/2"	3-13/16"
TB363	3-5/8"	3-15/16"
TB375	3-3/4"	4-1/16"
TB400	4"	4-5/16"
TB425	4-1/4"	4-9/16"
TB450	4-1/2"	4-13/16"
TB475	4-3/4"	5-1/16"
TB500	5"	5-5/16"
TB525	5-1/4"	5-9/16"
TB550	5-1/2"	5-13/16"
TB575	5-3/4"	6-1/16"
TB600	6"	6-5/16"
TB625	6-1/4"	6-9/16"
TB650	6-1/2"	6-13/16"
TB675	6-3/4"	7-1/16"
TB700	7"	7-5/16"
TB725	7-1/4"	7-9/16"
TB750	7-1/2"	7-13/16"
TB775	7-3/4"	8-1/16"
TB800	8"	8-5/16"
TB825	8-1/4"	8-9/16"
TB850	8-1/2"	8-13/16"



HOSE LINER CLAMPS for Soft/Silicone Hose

RANGE/ CLAMP DIA.

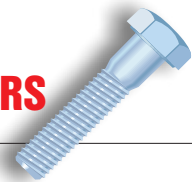
PRODUCT NO.	Min.	Max.
HCL-06	7/16"	25/32"
HCL-08	1/2"	29/32"
HCL-10	9/16"	1-1/16"
HCL-12	11/16"	1-1/4"
HCL-16	13/16"	1-1/2"
HCL-20	13/16"	1-3/4"
HCL-24	1-1/16"	2"
HCL-28	1-5/16"	2-1/4"
HCL-32	1-9/16"	2-1/2"
HCL-36	1-13/16"	2-3/4"
HCL-40	2-1/16"	3"
HCL-44	2-5/16"	3-1/4"
HCL-48	2-9/16"	3-1/2"
HCL-52	2-13/16"	3-3/4"
HCL-56	3-1/16"	4"
HCL-60	3-5/16"	4-1/4"
HCL-64	3-9/16"	4-1/2"
HCL-72	4-1/8"	5"
HCL-80	4-5/8"	5-1/2"
HCL-88	5-1/8"	6"
HCL-96	5-5/8"	6-1/2"
HCL-104	6-1/8"	7"



PLATED STEEL



***Including Domestic/ North American Grade 5
and Grade 8***

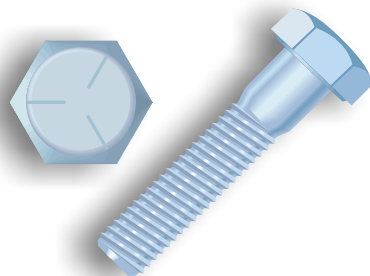


HEX HEAD CAP SCREWS

ELECTRO-FAST offers both Grade 5 and Grade 8 Cap Screws. Each fastener's specifications and important details are outlined in the following specification tables. For additional information or special requests, please contact our Customer Service Department at 1-800-854-2201 for availabilities.

GRADE 5 CAP SCREWS- (Prefix GR5)

SPECIFICATION SAE J429 Grade 5	MATERIAL Medium Carbon Steel/ Quenched and Tempered/ Clear Zinc Plated	DIAMETER Nominal Size Range (In.) 1/4 thru 1 Over 1 to 1-1/2	MECHANICAL PROPERTIES	
			Proof Load (psi) 85,000 74,000	Tensile Strength Min. (psi) 120,000 105,000



DOMESTIC/
NORTH
AMERICAN

DIAMETER (In.)	LENGTH (In.)
1/4	1/2 thru 6
5/16	1/2 thru 6
3/8	1/2 thru 6
7/16	3/4 thru 6
1/2	3/4 thru 6
9/16	1 thru 6
5/8	1 thru 6
3/4	1 thru 6
7/8	1-1/2 thru 6
1	1-1/2 thru 6

ORDERING INFORMATION

ELECTROFAST Product Number for Grade 5 is GR5 followed by the diameter and the length plus the suffix "C" for National Coarse (USS) or "F" for National Fine (SAE).

EXAMPLE: 3/8 x 1 fine thread would be:
Prod. # **GR5 3/8 X 1F**

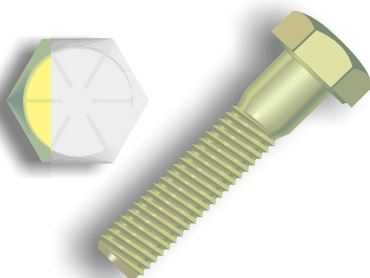
NOTE:

To determine the thread length, multiply the diameter by 2 and add 1/4". SPECIAL SIZES can be supplied upon request.

Many lengths from 6-1/2" and up are carried as stock items. Please contact our Customer Service Department at 1-800-854-2201 or your local ELECTRO-FAST Representative for availabilities.

GRADE 8 CAP SCREWS- (Prefix GR8)

SPECIFICATION SAE J429 Grade 8	MATERIAL Medium Carbon Steel/ Quenched and Tempered/ Yellow Zinc Plated	DIAMETER Nominal Size Range (In.) 1/4 thru 1-1/2	MECHANICAL PROPERTIES	
			Proof Load (psi) 120,000	Tensile Strength Min. (psi) 150,000



DIAMETER (In.)	LENGTH (In.)
1/4	1/2 thru 6
5/16	1/2 thru 6
3/8	1/2 thru 6
7/16	3/4 thru 6
1/2	3/4 thru 6
9/16	1 thru 6
5/8	1 thru 6
3/4	1 thru 6
7/8	1-1/2 thru 6
1	1-1/2 thru 6

ORDERING INFORMATION

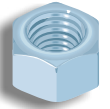
ELECTRO-FAST Product Number for Grade 8 is GR8 followed by the diameter and the length plus the suffix "C" for National Coarse (USS) or "F" for National Fine (SAE).

EXAMPLE: 1/2 x 2 coarse thread would be:
Prod. # **GR8 1/2 X 2C**

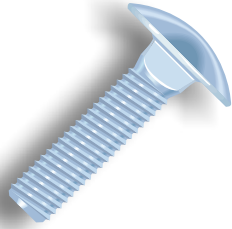
NOTE:

To determine the thread length, multiply the diameter by 2 and add 1/4". SPECIAL SIZES can be supplied upon request.

Many lengths from 6-1/2" and up are carried as stock items. Please contact our Customer Service Department at 1-800-854-2201 or your local ELECTRO-FAST Representative for availabilities.



CARRIAGE BOLTS- (Prefix CB)



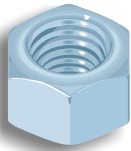
DIAMETER (In.)	LENGTH (In.)	ORDERING INFORMATION
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3/16	1 thru 2
1/4	1/2 thru 6
5/16	3/4 thru 6
3/8	3/4 thru 7
7/16	1 thru 6
1/2	1 thru 6
5/8	1 thru 6

ELECTROFAST Product Number for Carriage Bolts is prefix "CB" followed by the diameter x the length.

EXAMPLE: 3/16 x 1 Carriage Bolt would be:
Prod. # **CB 3/16X1C**

GRADE 5 FINISHED HEX NUTS



PRODUCT NO.
Coarse Thread

SIZE

PRODUCT NO.
Fine Thread

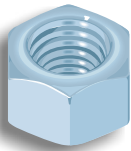
SIZE

HN5-1/4C	1/4 - 20	HN5-1/4F	1/4 - 28
HN5-5/16C	5/16 - 18	HN5-5/16F	5/16 - 24
HN5-3/8C	3/8 - 16	HN5-3/8F	3/8 - 24
HN5-7/16C	7/16 - 14	HN5-7/16F	7/16 - 20
HN5-1/2C	1/2 - 13	HN5-1/2F	1/2 - 20
HN5-9/16C	9/16 - 12	HN5-9/16F	9/16 - 18
HN5-5/8C	5/8 - 11	HN5-5/8F	5/8 - 18
HN5-3/4C	3/4 - 10	HN5-3/4F	3/4 - 16
HN5-7/8C	7/8 - 9	HN5-7/8F	7/8 - 14
HN5-1C	1 - 8	HN5-1F	1 - 14
HN5-1-1/8C	1 1/8 - 7*	HN5-1-1/8F	1 1/8 - 12*
HN5-1-1/4C	1 1/4 - 7*	HN5-1-1/4F	1 1/4 - 12*
HN5-1-3/8C	1 3/8 - 6*	HN5-1-3/8F	1 3/8 - 12*
HN5-1-1/2C	1 1/2 - 6*	HN5-1-1/2F	1 1/2 - 12*

*Furnished Unplated

*Furnished Unplated

FINISHED HEX NUTS



PRODUCT NO.
Coarse Thread

SIZE

PRODUCT NO.
Fine Thread

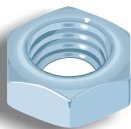
SIZE

HN-1/4C	1/4 - 20	HN-1/4F	1/4 - 28
HN-5/16C	5/16 - 18	HN-5/16F	5/16 - 24
HN-3/8C	3/8 - 16	HN-3/8F	3/8 - 24
HN-7/16C	7/16 - 14	HN-7/16F	7/16 - 20
HN-1/2C	1/2 - 13	HN-1/2F	1/2 - 20
HN-9/16C	9/16 - 12	HN-9/16F	9/16 - 18
HN-5/8C	5/8 - 11	HN-5/8F	5/8 - 18
HN-3/4C	3/4 - 10	HN-3/4F	3/4 - 16
HN-7/8C	7/8 - 9	HN-7/8F	7/8 - 14
HN-1C	1 - 8	HN-1F	1 - 14
HN-1-1/8C	1 1/8 - 7*	HN-1-1/8F	1 1/8 - 12*
HN-1-1/4C	1 1/4 - 7*	HN-1-1/4F	1 1/4 - 12*
HN-1-3/8C	1 3/8 - 6*	HN-1-3/8F	1 3/8 - 12*
HN-1-1/2C	1 1/2 - 6*	HN-1-1/2F	1 1/2 - 12*

*Furnished Unplated

*Furnished Unplated

FINISHED HEX JAM NUTS



PRODUCT NO.
Coarse Thread

SIZE

PRODUCT NO.
Fine Thread

SIZE

HNJ-1/4C	1/4 - 20	HNJ-1/4F	1/4 - 28
HNJ-5/16C	5/16 - 18	HNJ-5/16F	5/16 - 24
HNJ-3/8C	3/8 - 16	HNJ-3/8F	3/8 - 24
HNJ-7/16C	7/16 - 14	HNJ-7/16F	7/16 - 20
HNJ-1/2C	1/2 - 13	HNJ-1/2F	1/2 - 20
HNJ-5/8C	5/8 - 11	HNJ-5/8F	5/8 - 18
HNJ-3/4C	3/4 - 10	HNJ-3/4F	3/4 - 16

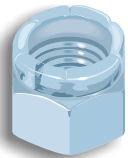


WING NUTS



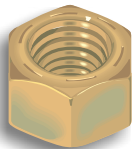
PRODUCT NO.	SIZE
WN 6-32	6-32
WN 8-32	8-32
WN 10-24	10-24
WN 10-32	10-32
WN 1/4-C	1/4-20
WN 5/16-C	5/16-18
WN 3/8-C	3/8-16
WN 7/16-C	7/16-14
WN 1/2-C	1/2-13

NYLON INSERT LOCK NUTS



PRODUCT NO. Coarse Thread	SIZE	PRODUCT NO. Fine Thread	SIZE	PRODUCT NO. (Machine Screw)	SIZE
LN-1/4C	1/4 - 20	LN-1/4F	1/4 - 28	LN-6/32	6-32
LN-5/16C	5/16 - 18	LN-5/16F	5/16 - 24	LN-8/32	8-32
LN-3/8C	3/8 - 16	LN-3/8F	3/8 - 24	LN-10/24	10-24
LN-7/16C	7/16 - 14	LN-7/16F	7/16 - 20	LN-10/32	10-32
LN-1/2C	1/2 - 13	LN-1/2F	1/2 - 20		
LN-9/16C	9/16 - 12	LN-9/16F	9/16 - 18		
LN-5/8C	5/8 - 11	LN-5/8F	5/8 - 18		
LN-3/4C	3/4 - 10	LN-3/4F	3/4 - 16		
LN-7/8C	7/8 - 9	LN-7/8F	7/8 - 14		
LN-1C	1 - 8	LN-1F	1 - 14		

GRADE 8 FINISHED HEX NUTS



DOMESTIC/
NORTH
AMERICAN

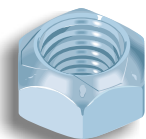
PRODUCT NO. Coarse Thread	SIZE	PRODUCT NO. Fine Thread	SIZE
HN8-1/4C	1/4 - 20	HN8-1/4F	1/4 - 28
HN8-5/16C	5/16 - 18	HN8-5/16F	5/16 - 24
HN8-3/8C	3/8 - 16	HN8-3/8F	3/8 - 24
HN8-7/16C	7/16 - 14	HN8-7/16F	7/16 - 20
HN8-1/2C	1/2 - 13	HN8-1/2F	1/2 - 20
HN8-9/16C	9/16 - 12	HN8-9/16F	9/16 - 18
HN8-5/8C	5/8 - 11	HN8-5/8F	5/8 - 18
HN8-3/4C	3/4 - 10	HN8-3/4F	3/4 - 16
HN8-7/8C	7/8 - 9	HN8-7/8F	7/8 - 14
HN8-1C	1 - 8	HN8-1F	1 - 14

KEP NUTS



PRODUCT NO.	SIZE
HNK 4-40	4-40
HNK 6-32	6-32
HNK 8-32	8-32
HNK 10-24	10-24
HNK 10-32	10-32
HNK 12-24	12-24
HNK 1/4C	1/4-20
HNK 1/4F	1/4-28
HNK 5/16C	5/16-18
HNK 5/16F	5/16-24
HNK 3/8C	3/8-16
HNK 3/8F	3/8-24

GRADE 8 CONE TYPE LOCK NUTS



DOMESTIC/
NORTH
AMERICAN

PRODUCT NO. Coarse Thread	SIZE	PRODUCT NO. Fine Thread	SIZE
CN8-1/4C	1/4 - 20	CN8-1/4F	1/4 - 28
CN8-5/16C	5/16 - 18	CN8-5/16F	5/16 - 24
CN8-3/8C	3/8 - 16	CN8-3/8F	3/8 - 24
CN8-7/16C	7/16 - 14	CN8-7/16F	7/16 - 20
CN8-1/2C	1/2 - 13	CN8-1/2F	1/2 - 20
CN8-9/16C	9/16 - 12	CN8-9/16F	9/16 - 18
CN8-5/8C	5/8 - 11	CN8-5/8F	5/8 - 18
CN8-3/4C	3/4 - 10	CN8-3/4F	3/4 - 16
CN8-7/8C	7/8 - 9	CN8-7/8F	7/8 - 14
CN8-1C	1 - 8	CN8-1F	1 - 14



GRADE 5 & GRADE 8 Domestic/ North American

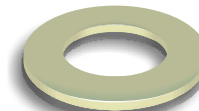
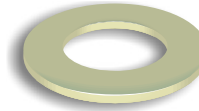
SAE FLAT WASHERS

PRODUCT NO.	SIZE
FWC-6	6
FWC-8	8
FWC-10	10
FWC-12	12
FWC-1/4	1/4
FWC-5/16	5/16
FWC-3/8	3/8
FWC-7/16	7/16
FWC-1/2	1/2
FWC-9/16	9/16
FWC-5/8	5/8
FWC-3/4	3/4
FWC-7/8	7/8
FWC-1	1
FWC-1-1/8	1-1/8
FWC-1-1/4	1-1/4
FWC-1-1/2	1-1/2



GRADE 8 SAE FLAT WASHERS

PRODUCT NO.	SIZE
FW8-1/4	1/4
FW8-5/16	5/16
FW8-3/8	3/8
FW8-7/16	7/16
FW8-1/2	1/2
FW8-9/16	9/16
FW8-5/8	5/8
FW8-3/4	3/4
FW8-7/8	7/8
FW8-1	1
FW8-1-1/8	1-1/8
FW8-1-1/4	1-1/4
FW8-1-1/2	1-1/2



***Extra Thick
Heavy Duty
Flat Washers
also available
upon request
1-800-854-2201**

USS WROUGHT WASHERS

PRODUCT NO.	SIZE
WWC-3/16	3/16
WWC-1/4	1/4
WWC-5/16	5/16
WWC-3/8	3/8
WWC-7/16	7/16
WWC-1/2	1/2
WWC-9/16	9/16
WWC-5/8	5/8
WWC-3/4	3/4
WWC-7/8	7/8
WWC-1	1
WWC- 1-1/8	1-1/8
WWC- 1-1/4	1-1/4
WWC- 1-1/2	1-1/2



GRADE 8 SAE USS WROUGHT WASHERS

PRODUCT NO.	SIZE
WW8-1/4	1/4
WW8-5/16	5/16
WW8-3/8	3/8
WW8-7/16	7/16
WW8-1/2	1/2
WW8-9/16	9/16
WW8-5/8	5/8
WW8-3/4	3/4
WW8-7/8	7/8
WW8-1	1
WW8-1-1/8	1-1/8
WW8-1-1/4	1-1/4
WW8-1-1/2	1-1/2



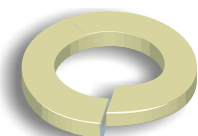
MEDIUM SPLIT LOCK WASHERS

PRODUCT NO.	SIZE
LW-4	4
LW-6	6
LW-8	8
LW-10	10
LW-12	12
LW-1/4	1/4
LW-5/16	5/16
LW-3/8	3/8
LW- 7/16	7/16
LW- 1/2	1/2
LW- 9/16	9/16
LW-5/8	5/8
LW-3/4	3/4
LW-7/8	7/8
LW-1	1
LW-1 1/8	1-1/8
LW-1 1/4	1-1/4
LW-1 3/8	1-3/8
LW-1 1/2	1-1/2



GRADE 8 LOCK WASHERS

PRODUCT NO.	SIZE
LW8-1/4	1/4
LW8-5/16	5/16
LW8-3/8	3/8
LW8-7/16	7/16
LW8-1/2	1/2
LW8-9/16	9/16
LW8-5/8	5/8
LW8-3/4	3/4
LW8-7/8	7/8
LW8-1	1
LW8-1-1/8	1-1/8
LW8-1-1/4	1-1/4
LW8-1-1/2	1-1/2

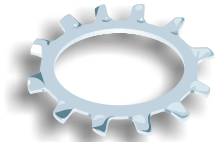




TOOTH TYPE LOCK WASHERS - ZINC PLATED

External Tooth

PRODUCT NO.	SIZE
ETW-4	4
ETW-6	6
ETW-8	8
ETW-10	10
ETW-12	12
ETW-1/4	1/4
ETW-5/16	5/16
ETW-3/8	3/8
ETW-7/16	7/16
ETW-1/2	1/2
ETW-9/16	9/16
ETW-5/8	5/8
ETW-3/4	3/4
ETW-7/8	7/8
ETW-1	1



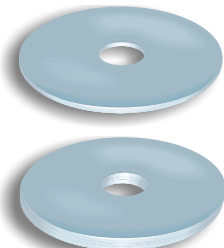
Internal Tooth

PRODUCT NO.	SIZE
ITW-4	4
ITW-6	6
ITW-8	8
ITW-10	10
ITW-12	12
ITW-1/4	1/4
ITW-5/16	5/16
ITW-3/8	3/8
ITW-7/16	7/16
ITW-1/2	1/2
ITW-9/16	9/16
ITW-5/8	5/8
ITW-3/4	3/4
ITW-7/8	7/8
ITW-1	1



FENDER WASHERS - ZINC PLATED

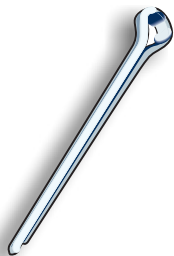
PRODUCT NO.	SIZE I.D. x O.D.
FDW 3/16x3/4	3/16 x 3/4
FDW 3/16x1	3/16 x 1
FDW 3/16x1-1/4	3/16 x 1-1/4
FDW 1/4x1	1/4 x 1
FDW 1/4x1-1/4	1/4 x 1-1/4
FDW 1/4x1-1/2	1/4 x 1-1/2
FDW 5/16x1-1/4	5/16 x 1-1/4
FDW 5/16x1-1/2	5/16 x 1-1/2
FDW 3/8x1-1/2	3/8 x 1-1/2
FDW 7/16x1-3/8	7/16 x 1-3/8
FDW 1/2x2	1/2 x 2



*Heavy Duty
Fender Washer
also available
upon request
1-800-854-2201

COTTER PINS - ZINC PLATED

DIAMETER	LENGTH
CP 1/16	1/2" thru 2"
CP 3/32	1/2" thru 2-1/2"
CP 1/8	1/2" thru 4"
CP 5/32	3/4" thru 3"
CP 3/16	3/4" thru 4"
CP 1/4	1" thru 4"
CP 5/16	1-1/4" thru 5"
CP 3/8	1-1/2" thru 6"
CP 1/2	2" thru 6"



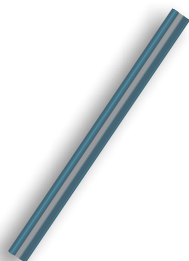
TO ORDER: Use the prefix "CP" then diameter x the length.

EXAMPLE:

A 1/8" diameter Cotter Pin with a length of 2" would = **CP 1/8X2**

SPRING TENSION PINS

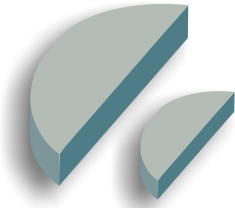
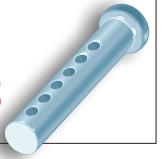
DIAMETER	LENGTH
STP1/16	3/16" thru 1"
STP5/64	3/16" thru 1-1/2"
STP3/32	1/4" thru 1-1/2"
STP1/8	1/4" thru 2"
STP5/32	1/2" thru 2-1/2"
STP3/16	3/8" thru 2-1/2"
STP7/32	5/8" thru 2-1/2"
STP1/4	1/2" thru 3-1/2"
STP5/16	3/4" thru 4"
STP3/8	3/4" thru 4"
STP7/16	1" thru 3"
STP1/2	1-1/4" thru 4"



TO ORDER: Use the prefix "STP" then diameter x the length.

EXAMPLE:

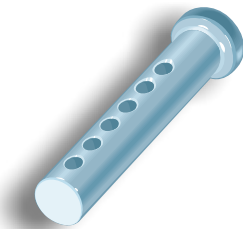
A 5/32" diameter Spring Tension Pin with a length of 1" would = **STP 5/32X1**



WOODRUFF KEYS

ELECTRO-FAST stocks most Industry Standard sizes Woodruff Keys. To order, use the prefix "WK" then height x the width, or specify the Industry Standard Product Number.

UNIVERSAL CLEVIS PINS



PRODUCT NO.	DIAMETER	LENGTH
UCP-1/4x2	1/4"	2"
UCP-5/16x2	5/16"	2"
UCP-3/8x2	3/8"	2"
UCP-7/16x2	7/16"	2"
UCP-7/16x2-1/2	7/16"	2-1/2"
UCP-7/16x3	7/16"	3"
UCP-1/2x2	1/2"	2"
UCP-1/2x2-1/2	1/2"	2-1/2"
UCP-1/2x3	1/2"	3"
UCP-5/8x3	5/8"	3"

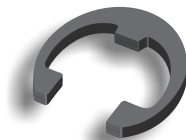
RETAINING RINGS



"E" Standard Type

PREFIX: ERS

Available in sizes 1/16" through 1 3/8"



"E" Reinforced Type

PREFIX: ERHD

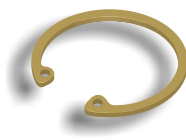
Available in sizes 3/32" through 9/16"



External Snap Type

PREFIX: RRE

Available in sizes 1/8" through 2 3/8"



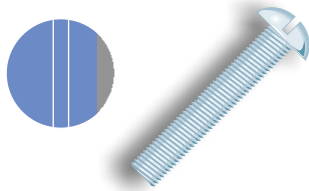
Internal Snap Type

PREFIX: RRI

Available in sizes 1/4" through 1 1/4"



MACHINE SCREWS



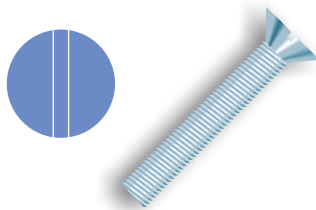
TYPE	DIAMETER and THREAD	LENGTH
RMS SLOTTED ROUND HEAD (Use "RMS" Prefix for Ordering)	4-40	1/8 thru 1-1/2
	6-32	3/16 thru 2
	8-32	3/16 thru 4
	10-24	1/4 thru 5
	10-32	1/4 thru 3
	12-24	1/4 thru 3
	1/4-20	3/8 thru 5
	5/16-18	1/2 thru 3
	3/8-16	1/2 thru 3-1/2

ORDERING INFORMATION:

ELECTRO-FAST Catalog Number is the prefix followed by the diameter/thread, and then the length.

EXAMPLE:

A 10-24 x 1 Round Head Machine Screw = **RMS 10-24x1**



TYPE	DIAMETER and THREAD	LENGTH
FMS SLOTTED FLAT HEAD (Use "FMS" Prefix for Ordering)	4-40	3/16 thru 1-1/2
	6-32	1/4 thru 2
	8-32	1/4 thru 3
	10-24	1/4 thru 5
	10-32	1/4 thru 3
	12-24	1/2 thru 3
	1/4-20	3/8 thru 5
	5/16-18	5/8 thru 3
	3/8-16	3/4 thru 3-1/2

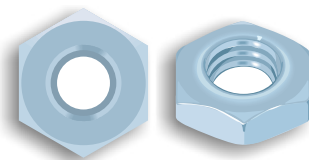
ORDERING INFORMATION:

ELECTRO-FAST Catalog Number is the prefix followed by the diameter/thread, and then the length.

EXAMPLE:

A 10-24 x 1 Flat Head Machine Screw = **FMS 1024X1**

HEX MACHINE SCREW NUTS



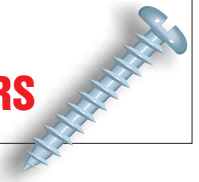
PRODUCT NO.	SIZE
MN 4-40	4-40
MN 5-40	5-40
MN 6-32	6-32
MN 8-32	8-32
MN 10-24	10-24
MN 10-32	10-32
MN 12-24	12-24
MN 1/4-20	1/4-20
MN 5/16-18	5/16-18
MN 3/8-16	3/8-16

NYLON INSERT LOCK NUTS



PRODUCT NO.	SIZE
LN-6/32	6 - 32
LN-8/32	8 - 32
LN-10/24	10 - 24
LN-10/32	10 - 32

All measurements are in inches. Please contact our Customer Service Department if you have any questions.

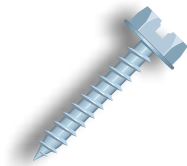


SHEET METAL SCREWS

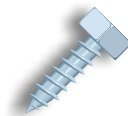
TYPE A POINT



TYPE	DIAMETER	LENGTH
CPTS COMBINATION PAN HEAD <i>(Slotted & Phillips Head)</i> (Use "CPTS" Prefix for Ordering)	4	1/4 thru 1
	6	1/4 thru 2
	8	1/4 thru 3
	10	1/4 thru 3
	12	3/8 thru 3
	14	1/2 thru 3
	5/16	-
	3/8	-



SWTS SLOTTED HEX WASHER HEAD (Use "SWTS" Prefix for Ordering)	4	-
	6	3/8 thru 1
	8	3/8 thru 1-1/2
	10	3/8 thru 2
	12	3/4 thru 1-1/2
	14	1/2 thru 2
	5/16	-
	3/8	-



HTS HEX HEAD UNSLOTTED (Use "HTS" Prefix for Ordering)	4	-
	6	3/8 thru 3/4
	8	3/8 thru 1-1/2
	10	1/2 thru 1-1/2
	12	3/8 thru 1-1/2
	14	1/2 thru 2
	5/16	3/4 thru 2
	3/8	1 thru 1-1/2

ORDERING INFORMATION:

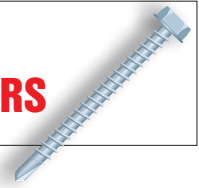
ELECTROFAST Catalog Number is the prefix followed by the diameter, and then the length.

EXAMPLE:

A 12 x 1-1/2 Hex Head Tapping Screw = **HTS 12X1-1/2**.

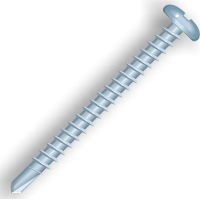
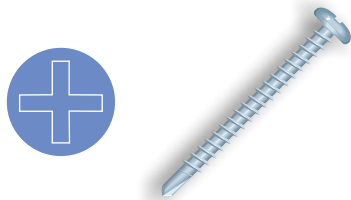
NOTE: All "Hyphenated" Lengths (-), please call for availability.

All measurements are in inches. Please contact our Customer Service Department if you have any questions.



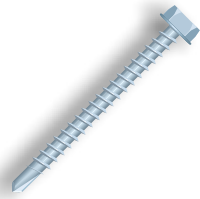
DRILL & TAP SCREWS

TEK SCREWS



TYPE	DIAMETER	LENGTH
TEK	6	3/8 thru 1-1/2
PHILLIPS PAN HEAD	8	3/8 thru 2
(Use "TEK" Prefix and	10	1/2 thru 2
-P Suffix for Ordering)	12	1/2 thru 2
	14	1/2 thru 2-1/2

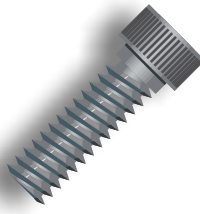
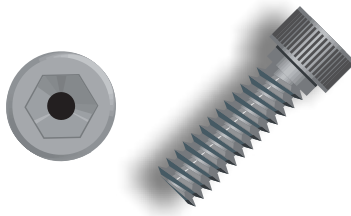
EXAMPLE: TEK 6X3/8-P



TEK	6	3/8 thru 1-1/2
HEX HEAD	8	3/8 thru 2
(Use "TEK" Prefix	10	1/2 thru 2
for Ordering)	12	1/2 thru 2
	14	1/2 thru 2-1/2

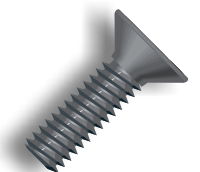
EXAMPLE: TEK 6X3/8

SOCKET HEAD CAP SCREWS



DIAMETER	AVAILABLE LENGTHS	
6-32	3/8 thru 1	TO ORDER: Use the prefix "SCS" then diameter x the length. EXAMPLE: A 1/4" Diameter Socket Head Cap Screw x 2" Long USS Thread would = SCS 1/4X2C
8-32	1/4 thru 1-1/2	
10-24	3/8 thru 2	
10-32	3/8 thru 1-1/2	
1/4-20	3/8 thru 2-1/2	
5/16-18	3/8 thru 3	
3/8-16	1/2 thru 4	
7/16-14	1 thru 2	
1/2-13	3/4 thru 4	
5/8-11	1 thru 4	

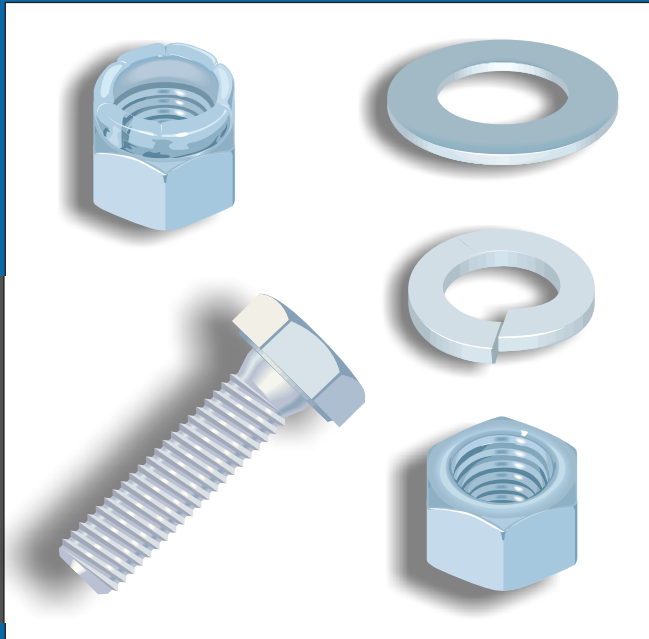
SOCKET FLAT HEAD CAP SCREWS



DIAMETER	AVAILABLE LENGTHS	
4-40	1/4 thru 5/8	TO ORDER: Use the prefix "SFCS" then diameter x the length. EXAMPLE: A 1/4" Diameter Socket Head Cap Screw x 1" Long USS Thread would = SFCS 1/4X1C
6-32	3/16 thru 1	
8-32	3/16 thru 1	
10-24	3/16 thru 1	
10-32	3/16 thru 1	
1/4-20	3/16 thru 1	
5/16-18	1/4 thru 1-3/4	
3/8-16	1/4 thru 1-1/2	
7/16-14	3/8 thru 1	
1/2-13	1/2 thru 1-1/2	

All measurements are in inches. Please contact our Customer Service Department for additional availabilities.

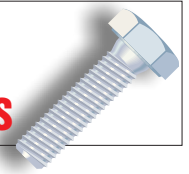
METRIC PLATED STEEL



***Including Pitch and
Thread Tables***

Conversion Chart

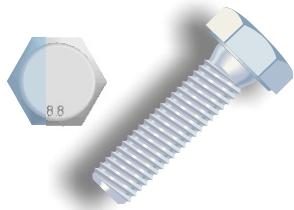
INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM
—	.0004	.0100	21/32	.6560	16.6690	1-3/4	1.7500	4.4500	3-1/16	3.0620	77.7880
—	.0040	.1000	—	.6693	17.0000	—	1.7717	45.0000	—	3.0709	78.0000
—	.0100	.2500	43/64	.6720	17.0660	1-25/32	1.7810	45.2440	3-3/32	3.0940	78.5810
1/64	.0156	.3970	11/16	.6875	17.4630	—	1.8110	46.0000	—	3.1102	79.0000
—	.0197	.5000	45/64	.7030	17.8590	1-13/16	1.8125	46.0380	3-1/8	3.1250	79.3750
—	.0295	.7500	—	.7087	18.0000	1-27/32	1.8440	46.8310	—	3.1496	80.0000
1/32	.0313	.7940	23/32	.7190	18.2560	—	1.8504	47.0000	3-5/32	3.1560	80.1690
—	.0394	1.0000	—	.7283	18.5000	1-7/8	1.8750	47.6250	3-3/16	3.1875	80.9630
3/64	.0469	1.1910	47/64	.7340	18.6530	—	1.8898	48.0000	—	3.1890	81.0000
—	.0590	1.5000	—	.7480	19.0000	1-29/32	1.9062	48.4190	3-7/32	3.2190	81.7560
1/16	.0620	1.5880	3/4	.7500	19.0500	—	1.9291	49.0000	—	3.2283	82.0000
5/64	.0781	1.9840	49/64	.7656	19.4470	1-15/16	1.9375	49.2130	3-1/4	3.2500	82.5500
—	.0787	2.0000	25/32	.7810	19.8440	—	1.9685	50.0000	—	3.2677	83.0000
3/32	.0940	2.3810	—	.7874	20.0000	1-31/32	1.9690	50.0060	3-9/32	3.2810	83.3440
—	.0984	2.5000	51/64	.7970	20.2410	2	2.0000	50.8000	—	3.3071	84.0000
7.64	.1090	2.7780	13/16	.8125	20.6380	—	2.0079	51.0000	3-5/16	3.3120	84.1377
—	.1181	3.0000	—	.8268	21.0000	2-1/32	2.0313	51.5940	3-11/32	3.3440	84.9314
1/8	.1250	3.1750	53/64	.8280	21.0340	—	2.0472	52.0000	—	3.3464	85.0000
—	.1378	3.5000	27/32	.8440	21.4310	2-1/16	2.0620	52.3880	3-3/8	3.3750	85.7250
9/64	.1410	3.5720	55/64	.8590	21.8280	—	2.0866	53.0000	—	3.3858	86.0000
5/32	.1560	3.9690	—	.8662	22.0000	2-3/32	2.0940	53.1810	3-13/32	3.4060	86.5190
—	.1575	4.0000	7/8	.8750	22.2250	2-1/8	2.1250	53.9750	—	3.4252	87.0000
11/64	.1720	4.3660	57/64	.8906	22.6220	—	2.1260	54.0000	3-7/16	3.4380	87.3130
—	.1770	4.5000	—	.9055	23.0000	2-5/32	2.1560	54.7690	—	3.4646	88.0000
3/16	.1875	4.7630	29/32	.9062	23.0190	—	2.1650	55.0000	3-15/32	3.4690	88.1060
—	.1969	5.0000	59/64	.9220	23.4160	2-3/16	2.1875	55.5630	3-1/2	3.5000	88.9000
13/64	.2030	5.1590	15/16	.9375	23.8130	—	2.2047	56.0000	—	3.5039	89.0000
—	.2165	5.5000	—	.9449	24.0000	2-7/32	2.2190	56.3560	3-17/32	3.5310	89.6940
7/32	.2190	5.5560	61/64	.9530	24.2090	—	2.2440	57.0000	—	3.5433	90.0000
15/64	.2340	5.9530	31/32	.9690	24.6060	2-1/4	2.2500	57.1500	3-9/16	3.5620	90.4877
—	.2362	6.0000	—	.9843	25.0000	2-9/32	2.2810	57.9440	—	3.5827	91.0000
1/4	.2500	6.3500	63/64	.9844	25.0030	—	2.2835	58.0000	3-19/32	3.5940	91.2810
—	.2559	6.5000	1	1.0000	25.4000	2-5/16	2.3120	58.7380	—	3.6220	92.0000
17/64	.2656	6.7470	—	1.0236	26.0000	—	2.3228	59.0000	3-5/8	3.6250	92.0750
—	.2756	7.0000	1-1/32	1.0312	26.1940	2-11/32	2.3440	59.5310	3-21/32	3.6560	92.8960
9/32	.2810	7.1440	1-1/16	1.0620	26.9880	—	2.3622	60.0000	—	3.6614	93.0000
—	.2953	7.5000	—	1.0630	27.0000	2-3/8	2.3750	60.3250	3-11/16	3.6875	93.6630
19/64	.2970	7.5410	1-3/32	1.0940	27.7810	—	2.4016	61.0000	—	3.7008	94.0000
5/16	.3120	7.9380	—	1.1024	28.0000	2-13/32	2.4060	61.1190	3-23/32	3.7190	94.4560
—	.3150	8.0000	1-1/8	1.1250	28.5750	2-7/16	2.4380	61.9130	—	3.7401	95.0000
21/64	.3280	8.3340	—	1.1417	29.0000	—	2.4409	62.0000	3-3/4	3.7500	92.2500
—	.3350	8.5000	1-5/32	1.1560	29.3690	2-15/32	2.4690	62.7060	—	3.7795	96.0000
11/32	.3440	8.7310	—	1.1811	30.0000	—	2.4803	63.0000	3-25/32	3.7810	96.0440
—	.3543	9.0000	1-3/16	1.1875	31.1630	2-1/2	2.5000	63.5000	3-13/16	3.8125	96.8380
23/64	.3590	9.1280	1-7/32	1.2190	30.9560	—	2.5197	64.0000	—	3.8189	97.0000
—	.3740	9.5000	—	1.2205	31.0000	2-17/32	2.5310	64.2940	3-26/32	3.8440	97.6310
3/8	.3750	9.5250	1-1/4	1.2500	31.7500	—	2.5590	65.0000	—	3.8583	98.0000
25/64	.3910	9.9220	—	1.2598	32.0000	2-9/16	2.5620	65.0880	3-7/8	3.8750	98.4250
—	.3937	10.0000	1-9/32	1.2810	32.5440	2-19/32	2.5940	65.8810	—	3.8976	99.0000
13/32	.4060	10.3190	—	1.2992	33.0000	—	2.5984	66.0000	3-29/32	3.9062	99.2190
—	.4130	10.5000	1-5/16	1.3120	33.3380	2-5/8	2.6250	66.6750	—	3.9370	100.0000
27/64	.4220	10.7160	—	1.3386	34.0000	—	2.6380	67.0000	3-15/16	3.9375	100.0130
—	.4331	11.0000	1-11/32	1.3440	34.1310	2-21/32	2.6560	67.4690	3-31/32	3.9690	100.8060
7/16	.4380	11.1130	1-3/8	1.3750	34.9250	—	2.6772	68.0000	—	3.9764	101.0000
29/64	.4530	11.5090	—	1.3779	35.0000	2-11/16	2.6875	68.2630	4	4.0000	101.6000
15/32	.4690	11.9060	1-13/32	1.4060	35.7190	—	2.7165	69.0000	4-1/16	4.0620	103.1880
—	.4724	12.0000	—	1.4173	36.0000	2-23/32	2.7190	69.0560	4-1/8	4.1250	104.7750
31/64	.4840	12.3030	1-7/16	1.4380	36.5130	2-3/4	2.7500	69.8500	—	4.1338	105.0000
—	.4920	12.5000	—	1.4567	37.0000	—	2.7559	70.0000	4-3/16	4.1875	106.3630
1/2	.5000	12.7000	1-15/32	1.4690	37.3060	2-25/32	2.7810	70.6439	4-1/4	4.2500	107.9500
—	.5118	13.0000	—	1.4961	38.0000	—	2.7953	71.0000	4-5/16	4.3120	109.5380
33/64	.5156	13.0970	1-1/2	1.5000	38.1000	2-13/16	2.8125	71.4376	—	4.3307	110.0000
17/32	.5310	13.4940	1-17/32	1.5310	38.8940	—	2.8346	72.0000	4-3/8	4.3750	111.1250
35/64	.5470	13.8910	—	1.5354	39.0000	2-27/32	2.8440	72.2314	4-7/16	4.4380	112.7130
—	.5512	14.0000	1-9/16	1.5620	39.6880	—	2.8740	73.0000	4-1/2	4.5000	114.3000
9/16	.5630	14.2880	—	1.5748	40.0000	2-7/8	2.8750	73.0250	—	4.5275	115.0000
—	.5710	14.5000	1-19/32	1.5940	40.4810	2-29/32	2.9062	73.8190	4-9/16	4.5620	115.8880
37/64	.5790	14.6840	—	1.6142	41.0000	—	2.9134	74.0000	4-5/8	4.6250	117.4750
—	.5906	15.0000	1-5/8	1.6250	41.2750	2-15/16	2.9375	74.6130	4-11/16	4.6875	119.0630
19/32	.5940	15.0810	—	1.6535	42.0000	—	2.9527	75.0000	—	4.7244	120.0000
39/64	.6090	15.4780	1-31/32	1.6562	42.0690	2-31/32	2.9690	75.4060	4-3/4	4.7500	120.6500
5/8	.6250	15.8750	1-11/16	1.6875	42.8630	—	2.9921	76.0000	4-13/16	4.8125	122.2380
—	.6299	16.0000	—	1.6929	43.0000	3	3.0000	76.2000	4-7/8	4.8750	123.8250
41/64	.6406	16.2720	1-23/32	1.7190	43.6560	3-1/32	3.0312	76.9940	—	4.9212	125.0000
—	.6496	16.5000	—	1.7323	44.0000	—	3.0315	77.0000	4-15/16	4.9375	125.4130
									5	5.0000	127.0000



METRIC CAP SCREWS

ZINC PLATED ISO 8.8/ DIN 933/ Regular Pitch

PREFIX: MCS

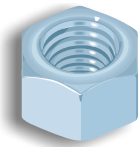


DIAMETER	COARSE PITCH	FINE PITCH	ULTRA-FINE PITCH	LENGTH
MCS 4	0.70	-	-	8mm - 40mm
MCS 5	0.80	-	-	10mm - 45mm
MCS 6	1.00	-	-	10mm - 60mm
MCS 7	1.00	-	-	16mm - 30mm
MCS 8	1.25	1.00	-	10mm - 130mm
MCS 10	1.50	1.25	1.00	16mm - 150mm
MCS 12	1.75	1.50	1.25	16mm - 130mm
MCS 14	2.00	1.50	1.25	20mm - 140mm
MCS 16	2.00	1.50	1.25	20mm - 150mm
MCS 18	2.50	1.50	-	40mm - 150mm
MCS 20	2.50	2.00	1.50	40mm - 150mm

HEX NUTS

ZINC PLATED ISO 8.8/ DIN 933/ Regular Pitch

PREFIX: MHN

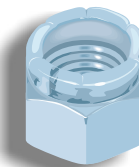


DIAMETER	COARSE PITCH	FINE PITCH	ULTRA-FINE PITCH	LENGTH
MHN-4	0.70	-	-	4mm
MHN-5	0.80	-	-	5mm
MHN-6	1.00	-	-	6mm
MHN-7	1.00	-	-	7mm
MHN-8	1.25	1.00	-	8mm
MHN-10	1.50	1.25	1.00	10mm
MHN-12	1.75	1.50	1.25	12mm
MHN-14	2.00	1.50	1.25	14mm
MHN-16	2.00	1.50	1.25	16mm
MHN-18	2.50	1.50	-	18mm
MHN-20	2.50	2.00	1.50	20mm

NYLON INSERT HEX NUTS

ZINC PLATED ISO 8.8/ DIN 985/ BIN 161/ Regular Pitch

PREFIX: MLN



DIAMETER	COARSE PITCH	FINE PITCH	ULTRA-FINE PITCH	LENGTH
MLN-4	0.70	-	-	4mm
MLN-5	0.80	-	-	5mm
MLN-6	1.00	-	-	6mm
MLN-8	1.25	1.00	-	8mm
MLN-10	1.50	1.25	1.00	10mm
MLN-12	1.75	1.50	1.25	12mm
MLN-14	2.00	1.50	1.25	14mm
MLN-16	2.00	1.50	1.25	16mm
MLN-18	2.50	1.50	-	18mm
MLN-20	2.50	2.00	1.50	16mm

ORDERING INFORMATION:

Use Suffix "C" for Coarse Thread (PITCH)

Use Suffix "F" for Fine Thread (PITCH) *Contact Customer Service*

Use Suffix "UF" for Ultra-Fine Thread (PITCH)

Please contact our Customer Service Department for additional availabilities at 1-800-854-2201

Please contact our Customer Service Department for additional availabilities.



FLAT WASHERS

ZINC PLATED ISO 8.8/ DIN 125A/ BN 715
PREFIX :MFW



DIAMETER

MFW-4
MFW-5
MFW-6
MFW-7
MFW-8
MFW-10
MFW-12
MFW-14
MFW-16
MFW-18
MFW-20

SPLIT LOCK WASHERS

ZINC PLATED ISO 8.8/ DIN 127B/ BN 762
PREFIX :MLW



DIAMETER

MLW-4
MLW-5
MLW-6
MLW-7
MLW-8
MLW-10
MLW-12
MLW-14
MLW-16
MLW-18
MLW-20

ORDERING INFORMATION:

Use Suffix "C" for Coarse Thread (PITCH)

Use Suffix "F" for Fine Thread (PITCH) *Contact Customer Service*

Use Suffix "UF" for Ultra-Fine Thread (PITCH)

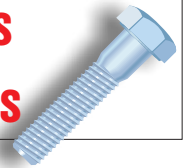
Please contact our Customer Service Department for additional availabilities at 1-800-854-2201

PITCH and THREADS Per Inch of METRIC FASTENERS

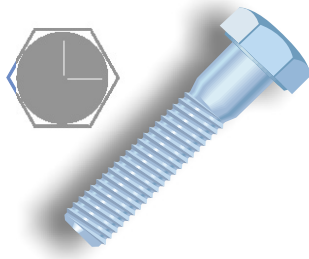
SIZE	COARSE THREAD		FINE THREAD		ULTRA-FINE THREAD	
	COARSE PITCH	THREADS Per Inch	FINE PITCH	THREADS Per Inch	ULTRA-FINE PITCH	THREADS Per Inch
2 mm	0.40	63	-	-	-	-
3 mm	0.50	51	-	-	-	-
4 mm	0.70	36	-	-	-	-
5 mm	0.80	32	-	-	-	-
6 mm	1.00	25	-	-	-	-
7 mm	1.00	25	-	-	-	-
8 mm	1.25	20	1.00	25	-	-
10 mm	1.50	17	1.25	20	1.00	25
12 mm	1.75	14.50	1.50	17	1.25	20
14 mm	2.00	12.50	1.50	17	1.25	20
16 mm	2.00	12.50	1.50	17	1.25	20
18 mm	2.50	10	1.50	17	-	-
20 mm	2.50	10	2.00	12.50	1.50	17
22 mm	2.50	10	2.00	12.50	-	-
24 mm	3.00	8.50	2.00	12.50	-	-
27 mm	3.00	8.50	-	-	-	-
30 mm	3.50	7	-	-	-	-
33 mm	3.50	7	-	-	-	-
36 mm	4.00	6	-	-	-	-

Most Metric Items are also available in Grade 10.9.

Please contact our Customer Service Department for additional availabilities.



HEX HEAD CAP SCREWS 18-8 Stainless (Prefix SSCS)



TYPE	DIAMETER & THREADS/ INCH	AVAILABLE LENGTHS
COARSE THREAD Suffix C	1/4 - 20	1/2 thru 6
	5/16 - 18	1/2 thru 6
	3/8 - 16	1/2 thru 6
	7/16 - 14	3/4 thru 4
	1/2 - 13	1/2 thru 6
	9/16 - 12	1 thru 6
	5/8 - 11	1 thru 6
	3/4 - 10	1 thru 6
FINE THREAD Suffix F	1/4 - 28	1/2 thru 3-1/2
	5/16 - 24	1/2 thru 3
	3/8 - 24	1/2 thru 4
	7/16 - 20	1 thru 3
	1/2 - 20	3/4 thru 4-1/2
	-	-
	5/8 - 18	1-1/4 thru 4-1/2
	-	-

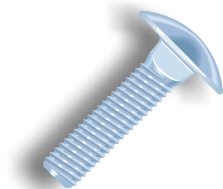
ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

EXAMPLE:

A Head Cap Screw with a 1/4" diameter/ 20 thread and a 5/8" length would = **Product No. SSCS 1/4X5/8C.**

CARRIAGE BOLTS 18-8 Stainless (Prefix SSCB)



DIAMETER & THREADS/ INCH	AVAILABLE LENGTHS
1/4 - 20	1/2 thru 4-1/2
5/16 - 18	3/4 thru 5
3/8 - 16	3/4 thru 6
1/2 - 13	1 thru 6

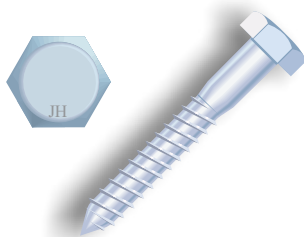
ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

EXAMPLE:

A Carriage Bolt with a 1/4 diameter/ 20 thread and a 1/2" length would = **Product No. SSCB 1/4X1/2C.**

HEX HEAD LAG SCREWS 18-8 Stainless (Prefix SSLG)



DIAMETER & THREADS/ INCH	AVAILABLE LENGTHS
1/4	1 thru 6
5/16	1 thru 6
3/8	1 thru 6
1/2	1-1/2 thru 6

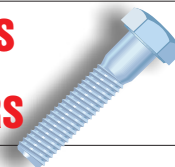
ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

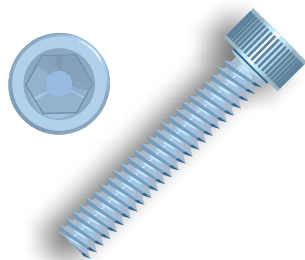
EXAMPLE:

A Lag Screw with a 1/4 diameter/ 20 thread and a 1" length would = **Product No. SSLG 1/4X1.**

All measurements are in inches. Please contact our Customer Service Department if you have any questions.



SOCKET HEAD CAP SCREWS 18-8 Stainless (Prefix SSSCS)



DIAMETER & THREADS/ INCH AVAILABLE LENGTHS

2 - 56	1/4 thru 5/8
4 - 40	1/4 thru 1
6 - 32	1/4 thru 1-1/2
8 - 32	1/4 thru 2
10 - 24	3/8 thru 2
10 - 32	3/8 thru 2
1/4 - 20	3/8 thru 3
5/16 - 18	1/2 thru 3

ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

EXAMPLE:

A Socket Head Cap Screw with a 4 diameter/ 40 thread and a 1" length would = **Product No. SSSCS 4-40X1.**

SOCKET SET CUP POINT SCREWS 18-8 Stainless (Prefix SSST)



DIAMETER & THREADS/ INCH AVAILABLE LENGTHS

4 - 40	3/16 thru 3/4
6 - 32	3/16 thru 3/4
8 - 32	3/16 thru 1
10 - 24	3/16 thru 1-1/4
10 - 32	3/16 thru 1-1/4
1/4 - 20	3/16 thru 1
5/16 - 18	1/4 thru 1-1/4
3/8 - 16	1/4 thru 1

ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

EXAMPLE:

A Socket Set Screw with a 4 diameter/ 40 thread and a 3/16" length would = **Product No. SSST 4-40X3/16.**

THREADED ROD 18-8 Stainless (Prefix SSTR)



Threaded Rod is sold in 3 foot lengths and is available in sizes 10-24 through 3/4-10.

ORDERING INFORMATION:

Use the appropriate prefix then diameter and thread (where applicable) x the length.

EXAMPLE:

A 3 Foot Threaded Rod with a size 10-24 would = **Product No. SSTR 10-24X3 FT.**

All measurements are in inches. Please contact our Customer Service Department if you have any questions.



WING NUTS (COLD FORMED) 18-8 Stainless



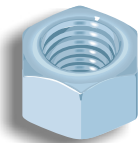
PRODUCT NO.	SIZE
SSWN 6-32	6-32
SSWN 8-32	8-32
SSWN 10-24	10-24
SSWN 10-32	10-32
SSWN 1/4C	1/4-20
SSWN 5/16C	5/16-18
SSWN 3/8C	3/8-16
SSWN 1/2C	1/2-13

NYLON INSERT LOCK NUTS 18-8 Stainless



PRODUCT NO. Coarse Thread	SIZE	PRODUCT NO. Fine Thread	SIZE	PRODUCT NO. (Machine Screw)	SIZE
SSLN 1/4C	1/4-20	SSLN 1/4F	1/4-28	SSLN 4-40	4-40
SSLN 5/16C	5/16-18	SSLN 5/16F	5/16-24	SSLN 6-32	6-32
SSLN 3/8C	3/8-16	SSLN 3/8F	3/8-24	SSLN 8-32	8-32
SSLN 7/16C	7/16-14	SSLN 7/16F	7/16-20	SSLN 10-24	10-24
SSLN 1/2C	1/2-13	SSLN 1/2F	1/2-20	SSLN 10-32	10-32
SSLN 5/8C	5/8-11	-	-	SSLN 12-24	12-24
SSLN 3/4C	3/4-10	-	-		

FINISHED HEX NUTS 18-8 Stainless



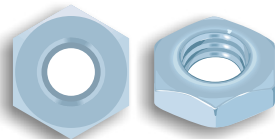
PRODUCT NO. Coarse Thread	SIZE	PRODUCT NO. Fine Thread	SIZE
SSHN-1/4C	1/4 - 20	SSHN-1/4F	1/4 - 28
SSHN-5/16C	5/16 - 18	SSHN-5/16F	5/16 - 24
SSHN-3/8C	3/8 - 16	SSHN-3/8F	3/8 - 24
SSHN-7/16C	7/16 - 14	SSHN-7/16F	7/16 - 20
SSHN-1/2C	1/2 - 13	SSHN-1/2F	1/2 - 20
SSHN-5/8C	5/8 - 11	SSHN-5/8F	5/8 - 18
SSHN-3/4C	3/4 - 10	SSHN-3/4F	3/4 - 16
SSHN-7/8C	7/8 - 9	SSHN-7/8F	7/8 - 14
SSHN-1C	1 - 8		

CAP NUTS (ACORN) 18-8 Stainless



PRODUCT NO.	SIZE
SSACN6-32	6-32
SSACN8-32	8-32
SSACN10-24	10-24
SSACN10-32	10-32
SSACN12-24	12-24
SSACN-1/4C	1/4-20
SSACN-5/16C	5/16-18
SSACN-3/8C	3/8-16
SSACN-1/2C	1/2-13

HEX MACHINE SCREW NUTS 18-8 Stainless



PRODUCT NO.	SIZE
SSMN 4-40	4-40
SSMN 5-40	5-40
SSMN 6-32	6-32
SSMN 8-32	8-32
SSMN 10-24	10-24
SSMN 10-32	10-32
SSMN 12-24	12-24
SSMN 1/4-20	1/4-20
SSMN 5/16-18	5/16-18
SSMN 3/8-16	3/8-16



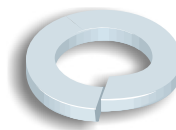
FLAT WASHERS 18-8 Stainless

PRODUCT NO.	SIZE
SSFW-4	4
SSFW-6	6
SSFW-8	8
SSFW-10	10
SSFW-12	12
SSFW-1/4	1/4
SSFW-5/16	5/16
SSFW-3/8	3/8
SSFW-7/16	7/16
SSFW-1/2	1/2
SSFW-9/16	9/16
SSFW-5/8	5/8
SSFW-3/4	3/4
SSFW-1	1



MEDIUM SPLIT LOCK WASHERS 18-8 Stainless

PRODUCT NO.	SIZE
SSLW-4	4
SSLW-6	6
SSLW-8	8
SSLW-10	10
SSLW-12	12
SSLW-1/4	1/4
SSLW-5/16	5/16
SSLW-3/8	3/8
SSLW-7/16	7/16
SSLW-1/2	1/2
SSLW-5/8	5/8
SSLW-3/4	3/4
SSLW-1	1



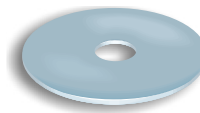
FINISHING CUP WASHERS 18-8 Stainless

PRODUCT NO.	SIZE
SSFINWA-6	6
SSFINWA-8	8
SSFINWA-10	10
SSFINWA-12	12
SSFINWA-1/4	1/4
SSFINWA-5/16	5/16



FENDER WASHERS 18-8 Stainless

PRODUCT NO.	SIZE
SSFDW 3/16X1	3/16 x 1
SSFDW 1/4X1	1/4 x 1
SSFDW 1/4X1-1/4	1/4 x 1-1/4
SSFDW 1/4X1-1/2	1/4 x 1-1/2
SSFDW 5/16X1-1/2	5/16 x 1-1/2
SSFDW 3/8X1-1/2	3/8 x 1-1/2
SSFDW 1/2X2	1/2 x 2



EXTERNAL TOOTH LOCK WASHERS 410 Stainless

PRODUCT NO.	SIZE
SSETW-4	4
SSETW-6	6
SSETW-8	8
SSETW-10	10
SSETW-12	12
SSETW-1/4	1/4
SSETW-5/16	5/16
SSETW-3/8	3/8
SSETW-7/16	7/16
SSETW-1/2	1/2
SSETW-5/8	5/8



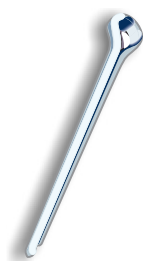
INTERNAL TOOTH LOCK WASHERS 410 Stainless

PRODUCT NO.	SIZE
SSITW-4	4
SSITW-6	6
SSITW-8	8
SSITW-10	10
SSITW-12	12
SSITW-1/4	1/4
SSITW-5/16	5/16
SSITW-3/8	3/8
SSITW-7/16	7/16
SSITW-1/2	1/2
SSITW-5/8	5/8



ASSORTED COTTER PINS 18-8 Stainless

DIAMETER	LENGTH
1/16	1/2 thru 2
3/32	12 thru 2-1/2
1/8	1/2 thru 3
5/32	1 thru 2-1/2
3/16	3/4 thru 4
1/4	1 thru 3



ORDERING INFORMATION FOR COTTER PINS

Use the prefix "SSCP" then diameter x the length.

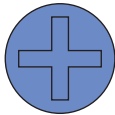
EXAMPLE:

A Cotter Pin 3/32 in diameter and 1 inch long would = **SSCP 3/32X1**

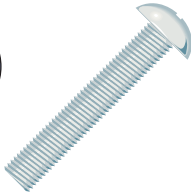
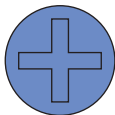
All measurements are in inches. Please contact our Customer Service Department if you have any questions.



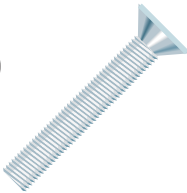
MACHINE SCREWS 18-8 Stainless



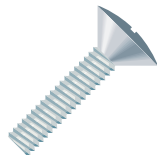
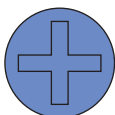
TYPE	DIAMETER and THREAD	LENGTH
SSPRMS PHILLIPS ROUND HEAD (Use "SSPRMS" Prefix for Ordering)	4-40	1/4 thru 3/4
	6-32	1/4 thru 1-1/2
	8-32	5/16 thru 2
	10-24	5/16 thru 3
	10-32	5/16 thru 3
	12-24	-
	1/4-20	1/2 thru 4
	5/16-18	-
	3/8-16	-
	1/2-13	-



SSPPMS PHILLIPS PAN HEAD (Use "SSPPMS" Prefix for Ordering)	4-40	1/4 thru 1-1/2
	6-32	1/4 thru 2
	8-32	1/4 thru 2-1/2
	10-24	1/4 thru 3
	10-32	1/4 thru 3
	12-24	3/4 thru 1-1/2
	1/4-20	1/2 thru 4
	5/16-18	1/2, 1, 2
	3/8-16	-
	1/2-13	-



SSPFMS PHILLIPS FLAT HEAD (Use "SSPFMS" Prefix for Ordering)	4-40	1/4 thru 1-1/2
	6-32	1/4 thru 2
	8-32	1/4 thru 2
	10-24	5/16 thru 3
	10-32	1/4 thru 2
	12-24	3/4
	1/4-20	1/2 thru 4
	5/16-18	3/4 thru 3-1/2
	3/8-16	2
	1/2-13	-



SSPOMS PHILLIPS OVAL HEAD (Use "SSPOMS" Prefix for Ordering)	4-40	1/4 thru 1
	6-32	1/4 thru 2
	8-32	1/4 thru 2-1/2
	10-24	3/8 thru 3
	10-32	3/8 thru 2-1/2
	12-24	1
	1/4-20	1/2 thru 4
	5/16-18	1
	3/8-16	-
	1/2-13	-

ORDERING INFORMATION:

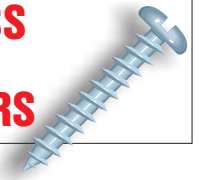
ELECTRO-FAST Catalog Number is the prefix followed by the diameter/thread, and then the length.

EXAMPLE:

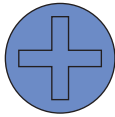
A 10-24 x 1 Round Head Machine Screw = **SSPRMS 1024X1**

NOTE: All "Hyphened" Lengths (-), Please call for available lengths.

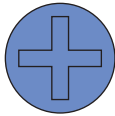
All measurements are in inches. Please contact our Customer Service Department if you have any questions.



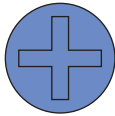
SHEET METAL SCREWS 18-8 Stainless TYPE A POINT



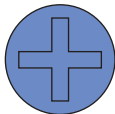
TYPE	DIAMETER	LENGTH
SSPPTS PHILLIPS PAN HEAD (Use "SSPPTS" Prefix for Ordering)	4	1/4 thru 1
	6	1/4 thru 2
	8	3/8 thru 2-1/2
	10	3/8 thru 3
	12	1/2 thru 3
	14	1/2 thru 3



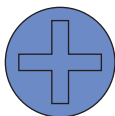
TYPE	DIAMETER	LENGTH
SSPRTS PHILLIPS ROUND HEAD (Use "SSPRTS" Prefix for Ordering)	4	1/4 thru 1
	6	1/4 thru 1-1/2
	8	3/8 thru 1-1/2
	10	1/2 thru 2
	12	1/2, 2
	14	3/4 thru 2



TYPE	DIAMETER	LENGTH
SSPOTS PHILLIPS OVAL HEAD (Use "SSPOTS" Prefix for Ordering)	4	3/8 thru 1
	6	1/4 thru 2
	8	3/8 thru 3
	10	3/8 thru 3
	12	1/2 thru 3
	14	1/2 thru 3



TYPE	DIAMETER	LENGTH
SSPFTS PHILLIPS FLAT HEAD (Use "SSPFTS" Prefix for Ordering)	4	1/4 thru 1
	6	1/4 thru 2
	8	3/8 thru 3
	10	1/2 thru 3
	12	1/2 thru 3
	14	3/4 thru 3



TYPE	DIAMETER	LENGTH
SSPTTS PHILLIPS TRUSS HEAD (Use "SSPTTS" Prefix for Ordering)	4	1/2 thru 1
	6	3/8 thru 1-1/4
	8	1/2 thru 2
	10	1/2 thru 2
	12	3/4 thru 2-1/2
	14	1 thru 3

ORDERING INFORMATION:

ELECTROFAST Catalog Number is the prefix followed by the diameter, and then the length.

EXAMPLE:

A 12 x 1-1/2 Stainless Steel Phillips Pan Head Tapping Screw = **SSPPTS 12X1-1/2**.

NOTE: All "Hyphenated" Lengths (-), Please call for available lengths.

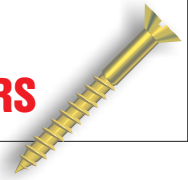
All measurements are in inches. Please contact our Customer Service Department if you have any questions.

FRACTIONAL/DECIMAL EQUIVALENTS

1/64 — .015625	17/64 — .265625	33/64 — .515625	49/64 — .765625
1/32 — .03125	9/32 — .28125	17/32 — .53125	25/32 — .78125
3/64 — .046875	19/64 — .296875	35/64 — .546875	51/64 — .796875
1/16 — .0625	5/16 — .3125	9/16 — .5625	13/16 — .8125
5/64 — .078125	21/64 — .328125	37/64 — .578125	53/64 — .828125
3/32 — .09375	11/32 — .34375	19/32 — .59375	27/32 — .84375
7/64 — .109375	23/64 — .359375	39/64 — .609375	55/64 — .859375
1/8 — .1250	3/8 — .3750	5/8 — .6250	7/8 — .8750
9/64 — .140625	25/64 — .390625	41/64 — .640625	57/64 — .890625
5/32 — .15625	13/32 — .40625	21/32 — .65625	29/32 — .90625
11/64 — .171875	27/64 — .421875	43/64 — .671875	59/64 — .921875
3/16 — .1875	7/16 — .4375	11/16 — .6875	15/16 — .9375
13/64 — .203125	29/64 — .453125	45/64 — .703125	61/64 — .953125
7/32 — .21875	15/32 — .46875	23/32 — .71875	31/32 — .96875
15/64 — .234375	31/64 — .484375	47/64 — .734375	63/64 — .984375
1/4 — .2500	1/2 — .5000	3/4 — .7500	1 — 1.000

STUD SIZES

STANDARD STUD SIZE	SCREW DIAMETER	STANDARD STUD SIZE	SCREW DIAMETER	STANDARD STUD SIZE	SCREW DIAMETER
•	#0 .060	●	5/16" .312	●	3/4" .750
•	#1 .073	●	3/8" .375		
•	#2 .086	●	7/16" .437		
•	#3 .099	●	1/2" .500		
•	#4 .112	●	5/8" .625	●	1" 1.000
•	#5 .125	●			
•	#6 .138	●			
•	#8 .164	●			
•	#10 .190	●			
•	#12 .216	●			
•	#14 .242	●			
•	1/4" .250	●			



MARINE FASTENERS

Brass

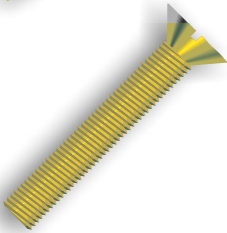
ELECTRO-FAST stocks a variety of Brass fasteners exclusively for marine applications. This table illustrates a cross section of Marine Fasteners that are available. Please contact our Customer Service Department at 1-800-854-2201 for specific availabilities or requests.

TYPE



WOOD SCREWS

(available with flat, round or oval heads)
(Use "BFWS" Prefix for Ordering)



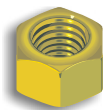
MACHINE SCREWS

(available with flat, round or oval heads)
(Use "BFMS" Prefix for Ordering)



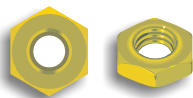
FLAT WASHERS

(Use "BFW" Prefix for Ordering)



HEX NUTS

(Use "BHN" Prefix for Ordering)



MACHINE SCREW NUTS

(Use "BMN" Prefix for Ordering)



COLD FORGED WING NUTS

(Use "BWN" Prefix for Ordering)

Please contact our Customer Service Department if you have any questions.

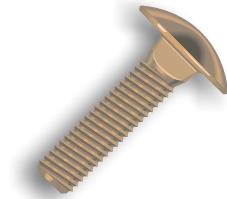


MARINE FASTENERS

Silicon Bronze

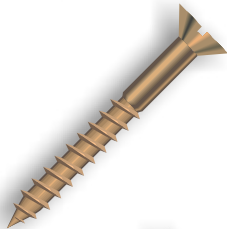
ELECTRO-FAST stocks a variety of Silicon Bronze fasteners exclusively for marine applications. This table illustrates a cross section of Marine Fasteners that are available. Please contact our Customer Service Department at 1-800-854-2201 for specific availabilities or requests.

TYPE



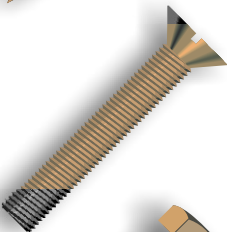
CARRIAGE BOLTS

(Use "SBCB" Prefix for Ordering)



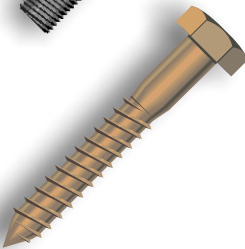
FLAT HEAD WOOD SCREWS

(Use "SBFWS" Prefix for Ordering)



FLAT HEAD MACHINE SCREWS

(Use "SBFMS" Prefix for Ordering)



LAG BOLTS

(Use "SBLB" Prefix for Ordering)



HEX NUTS

(Use "SBHN" Prefix for Ordering)



FLAT WASHERS

(Use "SBFW" Prefix for Ordering)

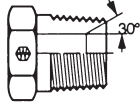
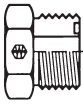
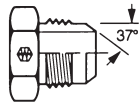
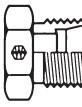

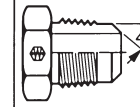

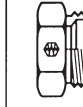


LOCK WASHERS

(Use "SBLW" Prefix for Ordering)

Please contact our Customer Service Department if you have any questions.

Fitting Thread Size Comparison Chart – The male connections have (Male unified thread class 2 fit) UN-2A specification threads and the female connections have (Female unified thread class 2 fit) UN-2B specification threads. The exceptions are male and female pipe threads.

								
Size	Pipe Size	FOR-SEAL®	37° Flare Flare-Twin®	Ermeto® 7000 Series	Straight Thread O-Ring SAE	45° Flare	Inverted Flare	Compression
1/16	1/16-27	-	-	-	-	-	-	-
1/8	1/8-27	-	5/16-24	5/16-24	5/16-24	5/16-24	5/16-28	5/16-24
3/16	-	-	3/8-24	3/8-24	3/8-24	3/8-24	3/8-24	3/8-24
1/4	1/4-18	9/16-18	7/16-20	7/16-20	7/16-20	7/16-20	7/16-24	7/16-24
5/16	-	-	1/2-20	1/2-20	1/2-20	1/2-20	1/2-20	1/2-24
3/8	3/8-18	11/16-16	9/16-18	9/16-18	9/16-18	5/8-18	5/8-18	9/16-24
7/16	-	-	-	-	-	11/16-16	11/16-18	5/8-24
1/2	1/2-14	13/16-16	3/4-16	3/4-16	3/4-16	3/4-16	3/4-18	11/16-20
5/8	-	1-14	7/8-14	7/8-14	7/8-14	7/8-14	7/8-18	13/16-18
3/4	3/4-14	1-3/16-12	1-1/16-12	1-1/16-12	1-1/16-12	1-1/16-14	1-1/16-16	1-18
7/8	-	1-3/16-12	1-3/16-12	1-3/16-12	1-3/16-12	-	1-3/16-16	-
1	1-11-1/2	1-7/16-12	1-5/16-12	1-5/16-12	1-5/16-12	-	1-5/16-16	1-1/4-18
1-1/4	1-1/4-11-1/2	1-11/16-12	1-5/8-12	1-5/8-12	1-5/8-12	-	-	-
1-1/2	1-1/2-11-1/2	2-12	1-7/8-12	1-7/8-12	1-7/8-12	-	-	-
2	2-11-1/2	2-1/2-12	2-1/2-12	2-1/2-12	2-1/2-12	-	-	-



HYDRAULIC FITTINGS (Numbering System and Ordering)

ELECTROFAST'S Brass and Steel Fittings are identified and ordered by a series of inventory numbers separated by the letter "X".

1. The number preceding the "X" is our Catalog "Base Number" and indicates the **TYPE** of Fitting. See TABLE 1 below for additional BASE NUMBER DATA.

2. The second number is the **TUBE and/or PIPE SIZE** on sixteenths of an inch. When a pipe thread for a given tube size follows the SAE standard as shown in TABLE 2, no other number is required. **EXAMPLE:** 48x6 = SAE 450 Flare Male Connector - 3/8" Tube/1/4" Pipe.

3. If the pipe size is not to the SAE standard, **ANOTHER "X"** is added followed by the pipe size indicated in sixteenths of an inch. **EXAMPLE:** 1/8" is equal to 2/16" OR X2 Suffix.

4. In the case of **CROSSES**, repeat step 3.

48 X 6

①

②

48 X 6 X 2

①

②

③

TABLE 1

TYPE	EXAMPLE Male Connector	EXAMPLE Female Connector
45° Flare	48	46
Compression	68	66
POLYLINE®	1268	1266
SELFALIGN®	681	661
Air Brake (Nylon)	1468	1466
Air Brake (Copper)	1368	1366
(JIC) FLARE-TWIN®	C5205	C5255
7000 Series ERMETO®	7205	7255

In specifying tube and pipe sizes for **TEES and CROSSES** that are not SAE standard, indicate the sizes in the sequence shown in TABLE 2.

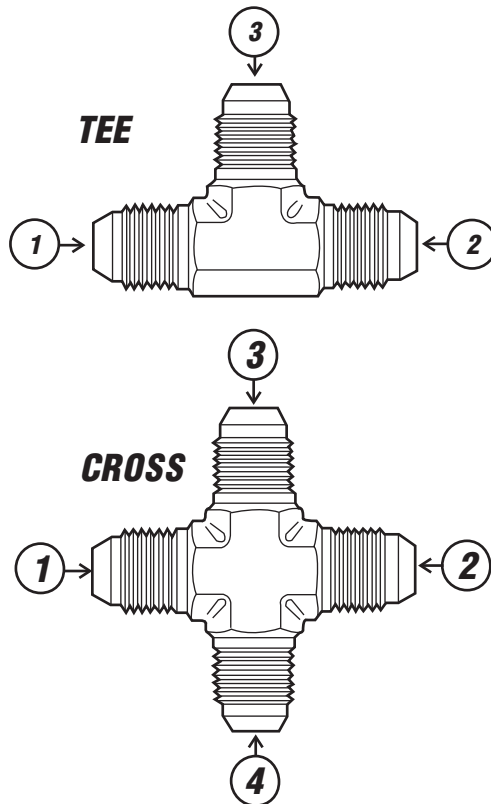


TABLE 2

TUBE SIZE	PIPE THREADS	
	Brass Fitting	Steel Fitting
X2	1/8"	1/8"
X3	3/16"	1/8"
X4	1/4"	1/8"
X5	5/16"	1/8"
X6	3/8"	1/4"
X7	7/16"	1/4"
X8	1/2"	3/8"
X10	5/8"	1/2"
X12	3/4"	3/4"
X14	7/8"	3/4"
X16	1"	1"
X20	1-1/4"	1-1/4"
X24	1-1/2"	1-1/2"
X32	2"	2"



BRASS FITTINGS- (Pipe)

CAP
3129x



SLOTTED PLUG
3150x



SQUARE HEAD PLUG
3151x



HEX HEAD PLUG
3152x



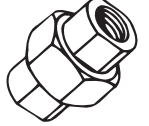
ADAPTOR
3200x



BUSHING
3220x



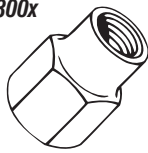
UNION
3250x



COUPLING
3300x



REDUCING COUPLING
3300x



HEX NIPPLE
3325x



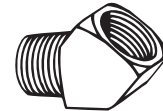
CLOSE NIPPLE
3326x



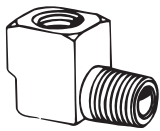
LONG NIPPLE
(Various)



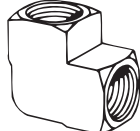
45° STREET ELBOW
3350x



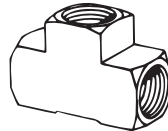
STREET ELBOW
3400x



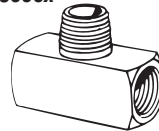
ELBOW
3500x



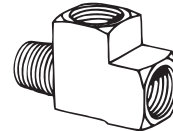
TEE
3700x



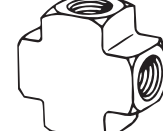
MALE BRANCH TEE
3600x



STREET TEE
3750x



CROSS
3950x



BRASS FITTINGS- (SAE 45° Flare)

NUT
1100x



LONG NUT
41x



UNION
42x



MALE CONNECTOR
48x



FEMALE CONNECTOR
46x



CHECK VALVE
SAE
43x



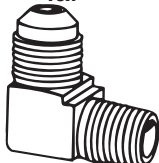
45° MALE ELBOW
54x



UNION ELBOW
55x



MALE ELBOW
49x



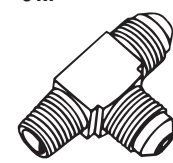
FEMALE ELBOW
50x



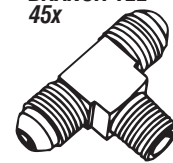
UNION TEE
44x



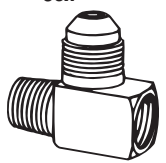
MALE RUN TEE
51x



MALE BRANCH TEE
45x



ADAPTOR TEE
56x



Please contact our Inside Sales or Customer Service Department for additional brass and steel fittings.



BRASS FITTINGS- (Inverted Flare)

BRASS NUT
100x & 105x



UNION
302x



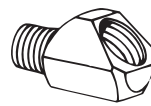
MALE CONNECTOR
202x



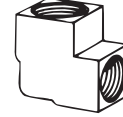
FEMALE CONNECTOR
252x



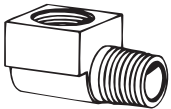
45° MALE ELBOW
352x



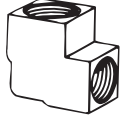
UNION ELBOW TUBE to TUBE
502x



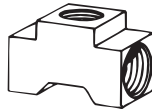
MALE ELBOW
402x



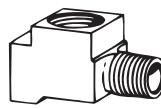
FEMALE ELBOW TUBE to PIPE
452x



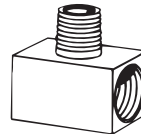
UNION TEE ALL TUBE
702x



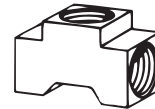
MALE RUN TEE
752x



MALE BRANCH TEE
602x



FEMALE BRANCH TEE, TUBE on the RUN, PIPE on the BRANCH
652x



PLUG
131x



BRASS FITTINGS- (Compression)

SLEEVE
60x



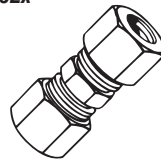
NUT
61x



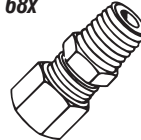
LONG NUT
1611x



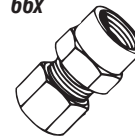
UNION
62x



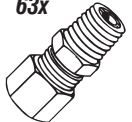
MALE CONNECTOR
68x



FEMALE CONNECTOR
66x



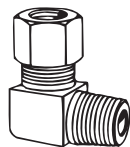
MALE BALL CHECK CONNECTOR
63x



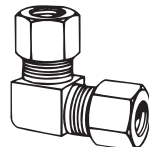
BULKHEAD UNION
74x



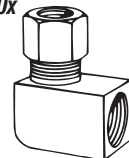
MALE ELBOW
69x



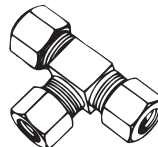
UNION ELBOW
65x



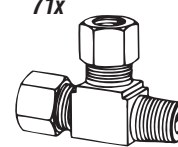
FEMALE ELBOW
70x



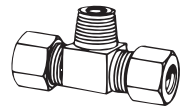
UNION TEE
64x



MALE RUN TEE
71x



MALE BRANCH TEE
72x



BRASS FITTINGS- (Air Brake-Copper Tubing)

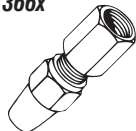
SLEEVE
1360x



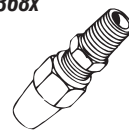
NUT
1361x



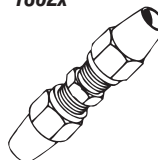
FEMALE CONNECTOR
1366x



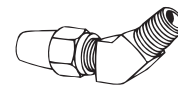
MALE CONNECTOR
1368x



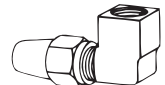
UNION
1362x



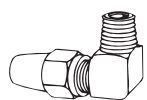
45° MALE ELBOW
1380x



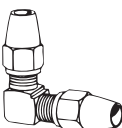
90° FEMALE ELBOW
1370x



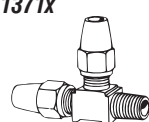
90° MALE ELBOW
1369x



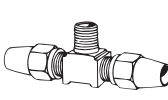
UNION ELBOW
1365x



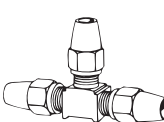
MALE RUN TEE
1371x



MALE BRANCH TEE
1372x



UNION TEE
1364x



STEEL BULKHEAD COUPLING
W05730



STEEL BULKHEAD COUPLING
W05465



Please contact our Inside Sales or Customer Service Department for additional brass and steel fittings.

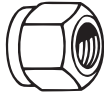


BRASS FITTINGS- (AIR BRAKE- Nylon Tubing)

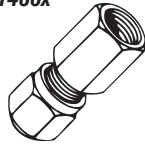
SLEEVE
1460x



NUT
1461x



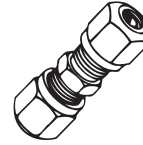
FEMALE
CONNECTOR
1466x



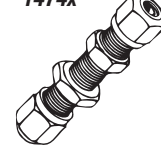
MALE
CONNECTOR
1468x



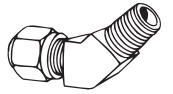
UNION
1462x



BULKHEAD
UNION
1474x



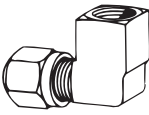
45° MALE
ELBOW
1480x



INSERT
1484x



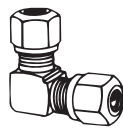
90° FEMALE
ELBOW
1470x



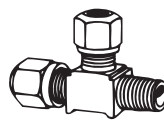
90° MALE
ELBOW
1469x



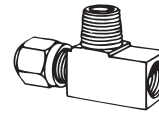
UNION
ELBOW
1465x



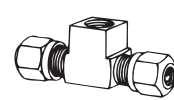
MALE
RUN TEE
1471x



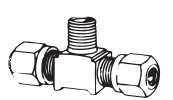
ADAPTOR TEE
1482x



FEMALE
BRANCH TEE
1477x



MALE
BRANCH TEE
1472x



BRASS (Needle Valves)

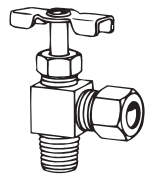
705



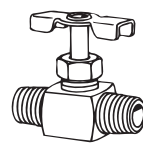
A6765



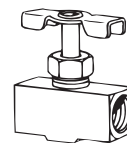
A555



6810



6800



6700

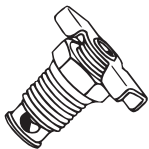


325

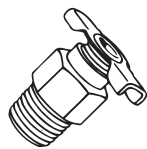


BRASS (Drain Cocks and Valves)

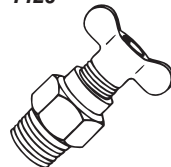
145



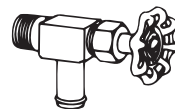
140



1425



1423



1421



W15310



Please contact our Inside Sales or Customer Service Department for additional brass and steel fittings.



STEEL FITTINGS- (Pipe)

C3069x



C3109x



C3159x



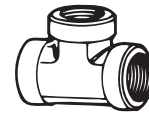
C3309x



C3409x



C3709x



STEEL FITTINGS- (SAE 37° JIC)

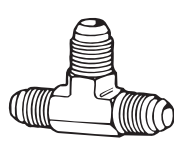
C5305x



C5505x



C5705x



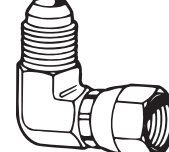
C5405x



C5205x

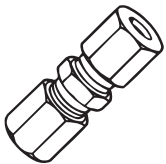


C5506x

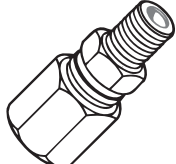


STEEL FITTINGS- (Ermetto Flareless)

7305x



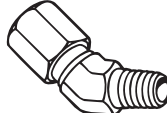
7205x



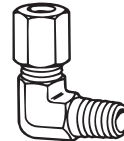
7229x



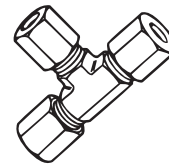
7355x



7405x

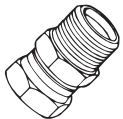


7705x



STEEL FITTINGS- (Swivel Adapters)

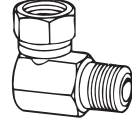
FEMALE PIPE SWIVEL
to MALE PIPE
9205x



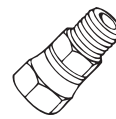
FEMALE PIPE SWIVEL
to FEMALE PIPE
9255x



FEMALE PIPE SWIVEL
to Male Pipe 90°
Elbow
9255x



FEMALE 37° JIC
SWIVEL to Male Pipe
9100x



ELECTRO-FAST Distribution is a full line Distributor of DANA/WEATHERHEAD Hoses, Fittings, Hose Ends and Tubing.

Please request a DANA/WEATHERHEAD Catalog from our Customer Service Department.



PIPE FITTINGS



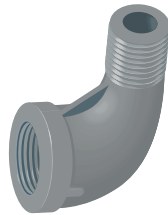
90° ELBOWS

TYPE	PRODUCT NO.	SIZE
	BMFE-2	1/8"
	BMFE-4	1/4"
	BMFE-6	3/8"
	BMFE-8	1/2"
	BMFE-12	3/4"
	BMFE-16	1"
	BMFE-20	1-1/4"
	BMFE-24	1-1/2"
	BMFE-32	2"
	BMFE-40	2-1/2"
	BMFE-48	3"
	BMFE-64	4"



45° ELBOWS

	BMFE-45-2	1/8"
	BMFE-45-4	1/4"
	BMFE-45-6	3/8"
	BMFE-45-8	1/2"
	BMFE-45-12	3/4"
	BMFE-45-16	1"
	BMFE-45-20	1-1/4"
	BMFE-45-24	1-1/2"
	BMFE-45-32	2"
	BMFE-45-40	2-1/2"
	BMFE-45-48	3"
	BMFE-45-64	4"



90° STREET ELBOWS

	BMSE-90-2	1/8"
	BMSE-90-4	1/4"
	BMSE-90-6	3/8"
	BMSE-90-8	1/2"
	BMSE-90-12	3/4"
	BMSE-90-16	1"
	BMSE-90-20	1-1/4"
	BMSE-90-24	1-1/2"
	BMSE-90-32	2"
	BMSE-90-40	2-1/2"
	BMSE-90-48	3"
	BMSE-90-64	4"



45° STREET ELBOWS

	BMSTEL-45-2	1/8"
	BMSTEL-45-4	1/4"
	BMSTEL-45-6	3/8"
	BMSTEL-45-8	1/2"
	BMSTEL-45-12	3/4"
	BMSTEL-45-16	1"
	BMSTEL-45-20	1-1/4"
	BMSTEL-45-24	1-1/2"
	BMSTEL-45-32	2"
	BMSTEL-45-40	2-1/2"
	BMSTEL-45-48	3"
	BMSTEL-45-64	4"

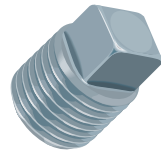


TEES

	BMT-2	1/8"
	BMT-4	1/4"
	BMT-6	3/8"
	BMT-8	1/2"
	BMT-12	3/4"
	BMT-16	1"
	BMT-20	1-1/4"
	BMT-24	1-1/2"
	BMT-32	2"
	BMT-40	2-1/2"
	BMT-48	3"
	BMT-64	4"

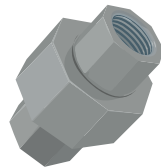


PIPE FITTINGS



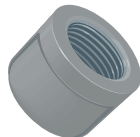
SQUARE HEAD PLUGS

TYPE	PRODUCT NO.	SIZE
	BMP-2	1/8"
	BMP-4	1/4"
	BMP-6	3/8"
	BMP-8	1/2"
	BMP-12	3/4"
	BMP-16	1"
	BMP-20	1-1/4"
	BMP-24	1-1/2"
	BMP-32	2"
	BMP-40	2-1/2"
	BMP-48	3"
	BMP-64	4"
	BMP-96	6"



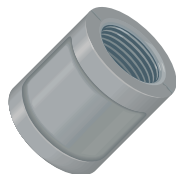
UNIONS

	BMU-2	1/8"
	BMU-4	1/4"
	BMU-6	3/8"
	BMU-8	1/2"
	BMU-12	3/4"
	BMU-16	1"
	BMU-20	1-1/4"
	BMU-24	1-1/2"
	BMU-32	2"
	BMU-40	2-1/2"
	BMU-48	3"
	BMU-64	4"



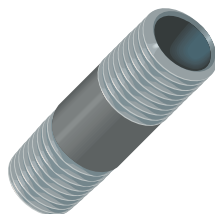
CAPS

	BMCAP-2	1/8"
	BMCAP-4	1/4"
	BMCAP-6	3/8"
	BMCAP-8	1/2"
	BMCAP-12	3/4"
	BMCAP-16	1"
	BMCAP-20	1-1/4"
	BMCAP-24	1-1/2"
	BMCAP-32	2"
	BMCAP-40	2-1/2"
	BMCAP-48	3"
	BMCAP-64	4"



BANDED COUPLINGS

	BMC-2	1/8"
	BMC-4	1/4"
	BMC-6	3/8"
	BMC-8	1/2"
	BMC-12	3/4"
	BMC-16	1"
	BMC-20	1-1/4"
	BMC-24	1-1/2"
	BMC-32	2"
	BMC-40	2-1/2"
	BMC-48	3"
	BMC-64	4"



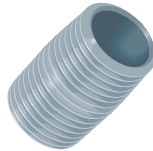
LONG NIPPLES

	BMLN-2	1/8"
	BMLN-4	1/4"
	BMLN-6	3/8"
	BMLN-8	1/2"
	BMLN-12	3/4"
	BMLN-16	1"
	BMLN-20	1-1/4"
	BMLN-24	1-1/2"
	BMLN-32	2"
	BMLN-40	2-1/2"
	BMLN-48	3"
	BMLN-64	4"



PIPE FITTINGS

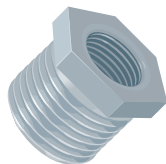
TYPE	PRODUCT NO.	SIZE
CLOSED NIPPLES	BMCN-2	1/8"
	BMCN-4	1/4"
	BMCN-6	3/8"
	BMCN-8	1/2"
	BMCN-12	3/4"
	BMCN-16	1"
	BMCN-20	1-1/4"
	BMCN-24	1-1/2"
	BMCN-32	2"
	BMCN-40	2-1/2"
	BMCN-48	3"
BMCN-64	4"	



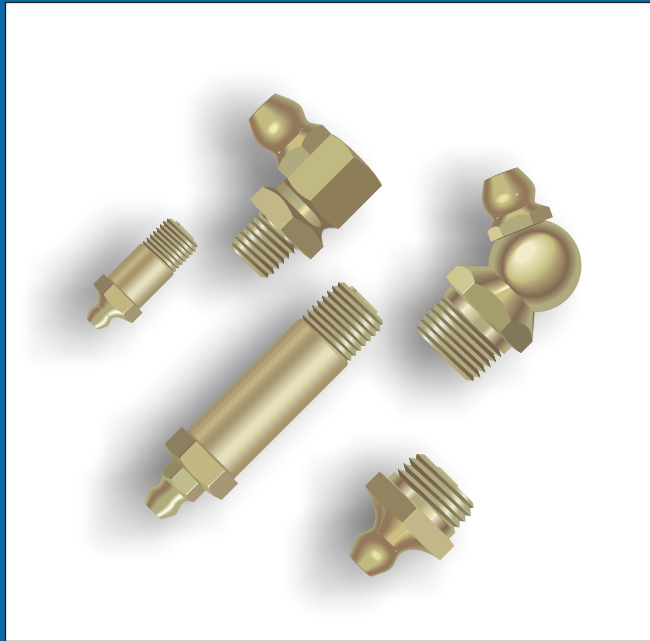
REDUCING COUPLERS	BMRC-6x2	3/8" x 1/8"
	BMRC-6x4	3/8" x 1/4"
	BMRC-8x2	1/2" x 1/8"
	BMRC-8x4	1/2" x 1/4"
	BMRC-8x12	1/2" x 3/4"
	BMRC-12x2	3/4" x 1/8"
	BMRC-12x4	3/4" x 1/4"
	BMRC-12x6	3/4" x 3/8"
	BMRC-12x8	3/4" x 1/2"
	BMRC-16x2	1" x 1/4"
	BMRC-16x6	1" x 3/8"
	BMRC-16x8	1" x 1/2"
	BMRC-16x12	1" x 3/4"
	BMRC-20x8	1-1/4" x 1/2"
	BMRC-20x12	1-1/4" x 3/4"
	BMRC-20x16	1-1/4" x 1"
	BMRC-24x8	1-1/2" x 1/2"
	BMRC-24x12	1-1/2" x 3/4"
	BMRC-24x16	1-1/2" x 1"
	BMRC-24x20	1-1/2" x 1-1/4"
BMRC-32x8	2" x 1/2"	
BMRC-32x12	2" x 3/4"	
BMRC-32x16	2" x 1"	
BMRC-32x20	2" x 1-1/4"	



HEX BUSHINGS	BMB-4x2	1/4" x 1/8"
	BMB-6x2	3/8" x 1/8"
	BMB-6x4	3/8" x 1/4"
	BMB-8x2	1/2" x 1/8"
	BMB-8x4	1/2" x 1/4"
	BMB-8x6	1/2" x 3/8"
	BMB-12x2	3/4" x 1/8"
	BMB-12x4	3/4" x 1/4"
	BMB-12x6	3/4" x 3/8"
	BMB-12x8	3/4" x 1/2"
	BMB-16x4	1" x 1/4"
	BMB-16x6	1" x 3/8"
	BMB-16x8	1" x 1/2"
	BMB-16x12	1" x 3/4"
	BMB-20x4	1-1/4" x 1/4"
	BMB-20x6	1-1/4" x 3/8"
	BMB-20x8	1-1/4" x 1/2"
	BMB-20x12	1-1/4" x 3/4"
	BMB-20x16	1-1/4" x 1"
	BMB-24x4	1-1/2" x 1/4"
BMB-24x8	1-1/2" x 1/2"	
BMB-24x12	1-1/2" x 3/4"	
BMB-24x16	1-1/2" x 1"	
BMB-24x20	1-1/2" x 1-1/4"	
BMB-32x8	2" x 1/2"	
BMB-32x12	2" x 3/4"	
BMB-32x16	2" x 1"	
BMB-32x20	2" x 1-1/4"	

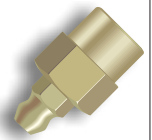


GREASE FITTINGS



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***Including
Grease Fitting Tools & Accessories***



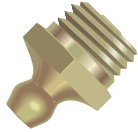
1/8" MALE PIPE THREAD FITTINGS

PROD. #	DESCRIPTION	LENGTH	COMPETITIVE INTERCHANGE		
			Alemite	Lincoln	Superior
	GF610 STRAIGHT	11/16"	1610	5000	37500
	GF618 STRAIGHT F.P.T.	1"	1618	5505	37503
	GF667 STRAIGHT	1-1/4"	1607	5003	-
	GF699 STRAIGHT	1-3/4"	1669	5007	37504
	GF611 38° ANGLE	1-1/16"	1611	5100	37600
	GF688 45° ANGLE	1"	1688	5200	37601
	GF612 67° ANGLE	27/32"	1612	5300	37602
	GF613 90° ANGLE	13/16"	1613	5400	37603

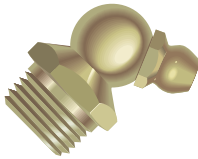


1/4" MALE PIPE THREAD FITTINGS

PROD. #	DESCRIPTION	LENGTH	COMPETITIVE INTERCHANGE		
			Alemite	Lincoln	Superior



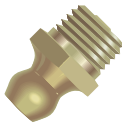
GF627	STRAIGHT	59/64"	1627	5050	37511
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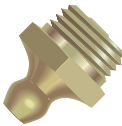
GF629	67.5° ANGLE	1-1/16"	1629	5350	37615
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MISCELLANEOUS FITTINGS

PROD. #	DESCRIPTION	LENGTH	COMPETITIVE INTERCHANGE		
			Alemite	Lincoln	Superior



GF616	5/16"-24 STRAIGHT THREAD	21/32"	1711	5061	-
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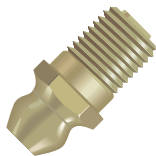
GF617	3/8"-24 STRAIGHT THREAD	21/32"	1710	5362	-
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1/4"-28 THREAD FITTINGS

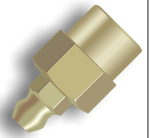
PROD. #	DESCRIPTION	LENGTH	COMPETITIVE INTERCHANGE		
			Alemite	Lincoln	Superior



GF641	STRAIGHT	17/32"	1641	5010	37506
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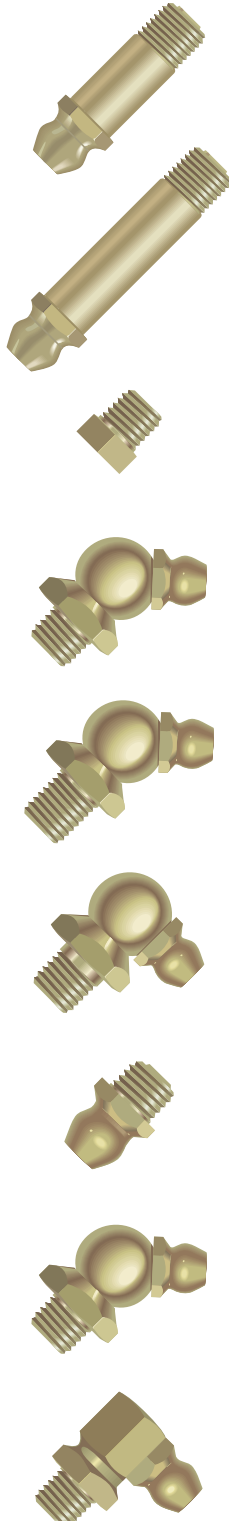


GF652	STRAIGHT	45/64"	1652	5513	37507
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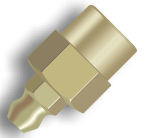
1/4"-28 THREAD FITTINGS

PROD. # DESCRIPTION LENGTH COMPETITIVE INTERCHANGE
Alemite Lincoln Superior



GF680	STRAIGHT	15/16"	1680	5014	-
GF698	STRAIGHT	1-1/16"	1608	5017	37508
GF701	PLUG	-	-	-	-
GF637	45° ANGLE	7/8"	1637	5210	37608
GF636	45° ANGLE	1"	1636	5212	37609
GF638	90° ANGLE	47/64"	1911	5410	37610
GF2641 <i>Self-Tapping*</i>	STRAIGHT	17/32"	3038	205010	37512
GF2637 <i>Self-Tapping*</i>	45° ANGLE	7/8"	3045	205210	37616
GF2638 <i>Self-Tapping*</i>	90° ANGLE	47/64"	3248	205410	37617

**1/4"-28 Self-Tapping now needed on many new car parts. Can be threaded into .226 to .300 diameter hole. Cuts its own thread. Tan di-chromate finish.*



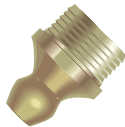
DRIVE TYPE FITTINGS

PROD. #	DESCRIPTION	LENGTH	[COMPETITIVE INTERCHANGE]		
			<i>Alemite</i>	<i>Lincoln</i>	<i>Superior</i>
 GF632 <i>No Ball Check</i>	3/16" STRAIGHT	31/64"	3006	-	37515
 GF728	3/16" STRAIGHT	37/64"	1728	5033	37517
 GF633 <i>No Ball Check</i>	3/16" STRAIGHT	5/8"	1633	5026	32527
 GF742	3/16" 45° ANGLE	53/64"	1992	-	37607
 GF744	3/16" 65° ANGLE	49/64"	1646	5385	37606
 GF665 <i>No Ball Check</i>	1/4" STRAIGHT	37/64"	321381	5044	37519
 GF743	1/4" STRAIGHT	39/64"	1743	5029	37520
 GF745	1/4" 65° ANGLE	7/8"	1744	5318	37614
 GF608	5/16" STRAIGHT	9/16"	1608	5031	37521

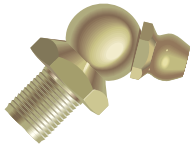


DRIVE TYPE FITTINGS

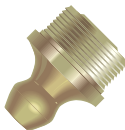
PROD. # DESCRIPTION LENGTH COMPETITIVE INTERCHANGE
Alemite Lincoln Superior



GF666 5/16" STRAIGHT 9/16" 1699 5030 37522
No Ball Check



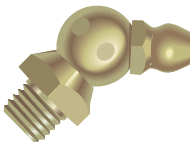
GF746 5/16" 65° ANGLE 3/4" - 5331 -



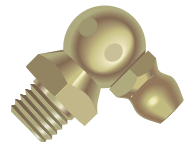
GF739 3/8" STRAIGHT 5/8" - 5036 -

METRIC GREASE FITTINGS

PROD. # DESCRIPTION



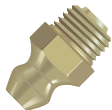
GF3637 6mm x 1.0 65° ANGLE



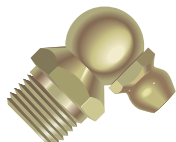
GF3638 6mm x 1.0 90° ANGLE



GF3641 6mm x 1.0 STRAIGHT



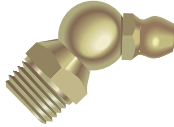
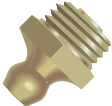
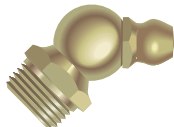
GF3610 8mm x 1.0 STRAIGHT




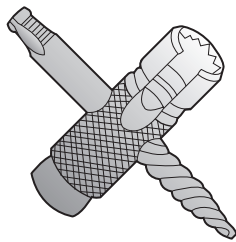
GF3613 8mm x 1.0 90° ANGLE

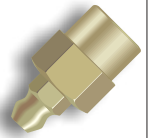


METRIC GREASE FITTINGS

PROD. #	DESCRIPTION
	GF3688 8mm x 1.0 45° ANGLE
	GF3710 10mm x 1.0 STRAIGHT
	GF3737 10mm x 1.0 45° ANGLE
	GF3738 10mm x 1.0 90° ANGLE

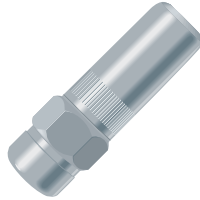
GREASE FITTING WRENCHES

PROD. #	DESCRIPTION
	GF6957 <i>For 1/8 Male Pipe Fittings</i> Will remove or replace all types of grease fittings. Spiral end to remove broken fittings and a tap to re-thread stripped threads.
	GF6959 <i>For 1/4 Male Pipe Fittings</i>



GREASE FITTING COUPLERS and ADAPTERS

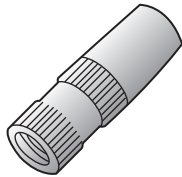
PROD. # DESCRIPTION



GF6100
HEAVY
DUTY

COUPLER

1/8 Female pipe thread with ball check, will withstand 20,000 psi.



GF6250
MIDGET

COUPLER

1/8 Female pipe thread with wide angle seat and ball check.



GF6460

HYDRAULIC COUPLER SLEEVE

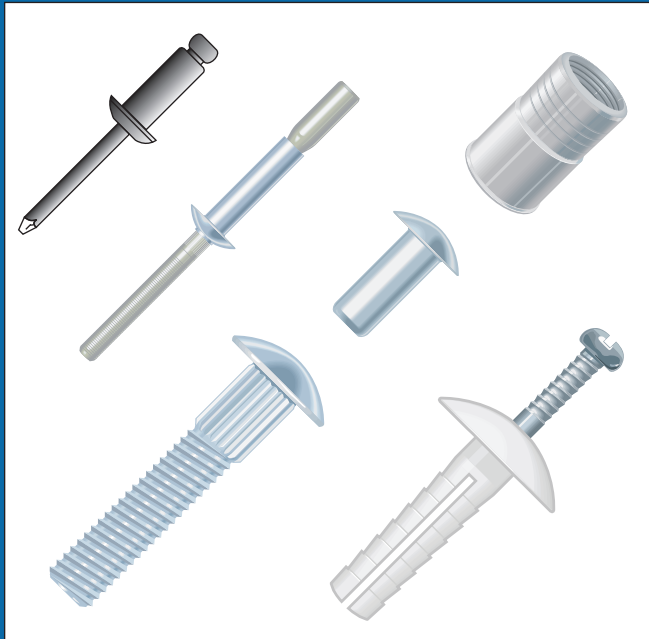
Used to connect grease accessories to grease gun. 1/8 Female pipe thread. Sliding sleeve locks coupler in place.

ASSORTMENT KITS

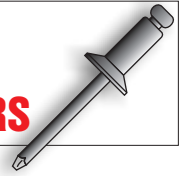


PRODUCT NUMBER		ASSORTMENT BOX CONTENTS	
GFP-600	GFP-620	GFP-630 (Metric)	GFP-640
15-GF610	20-GF610	10-GF3610	25-GF641
5-GF612	10-GF613	10-GF3613	10-GF637
5-GF613	10-GF616	20-GF3637	15-GF638
10-GF637	10-GF617	20-GF3638	
15-GF638	10-GF627	20-GF3641	
45-GF641	10-GF629	8-GF3688	
5-GF688	10-GF637	4-GF3710	
	20-GF638	4-GF3737	
	30-GF641	4-GF3738	
	10-GF666		
	10-GF667		
	10-GF680		
	10-GF688		
	10-GF728		
	10-GF742		
	10-GF743		

RIVETS & SPECIAL FASTENERS



Please Contact Customer Service for Additional Rivets & Other Fasteners Shown Above 1-800-854-2201



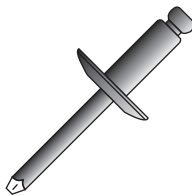
BLIND RIVETS



DOME HEAD



COUNTERSUNK



LARGE FLANGE

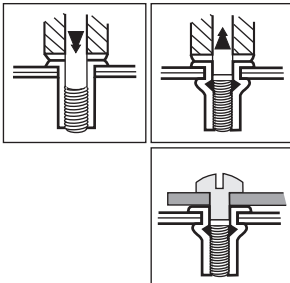
PRODUCT NO. DIAMETER & RANGE	DIAMETER	GRIP RANGE	LENGTH
32	3/32"	.031" - .125"	.250"
34	3/32"	.126" - .250"	.375"
41	1/8"	.031" - .062"	.212"
42	1/8"	.063" - .125"	.275"
43	1/8"	.126" - .187"	.337"
44	1/8"	.188" - .250"	.400"
45	1/8"	.251" - .312"	.462"
46	1/8"	.313" - .375"	.525"
48	1/8"	.376" - .500"	.650"
52	5/32"	.031" - .125"	.300"
53	5/32"	.126" - .187"	.362"
54	5/32"	.188" - .250"	.425"
56	5/32"	.251" - .375"	.550"
58	5/32"	.376" - .500"	.675"
62	3/16"	.031" - .125"	.325"
64	3/16"	.126" - .250"	.450"
66	3/16"	.251" - .375"	.575"
68	3/16"	.376" - .500"	.700"
610	3/16"	.501" - .625"	.825"
612	3/16"	.626" - .750"	.950"
614	3/16"	.751" - .875"	1.075"
616	3/16"	.876" - 1.00"	1.200"
84	1/4"	.031" - .250"	.500"
86	1/4"	.251" - .375"	.625"
88	1/4"	.376" - .500"	.750"
810	1/4"	.501" - .625"	.875"
812	1/4"	.626" - .750"	1.000"
816	1/4"	.751" - 1.00"	1.250"

The information in this table is for general reference use only. The table represents the sizes available in the most common rivet types. Please contact our Customer Service Department for availability of any specific items.

TOOLING

The Blind Rivet Line includes many hand operated rivet installing tools and many pneumatic-hydraulic powered rivet installing tools. Please contact our Customer Service Department for further information.

BLIND RIVET APPLICATION



BLIND RIVET NUTS

All of the advantages of a blind rivet plus internal threads for additional fastening flexibility. Available with flat or countersunk head in thread sizes 8-32, 10-32, 1/4-20, 5/16-18, and 3/8-16. Please contact our Customer Service Department for further information.

For all rivets styles and sizes, please request complete RIVET Catalog.



94130 RATCHET CRIMPING TOOL

The **94130 Ratchet Crimp Tool** is for use with insulated terminals and connectors (ELECTROFAST products with prefixes SC) from 22 AWG through 10 AWG. This full cycle tool insures a consistent crimp every time it is used.



94140 HAND CRIMPING TOOL

The **94140 Crimp Tool** is for use with insulated and non-insulated terminals and a broad range of terminals and connectors including Dead End Connectors and Crimp Sleeves (ELECTROFAST products with the prefixes BB, SC, and DC with wire ranges from 22 AWG through 10 AWG). This tool also strips wire ranges 22 AWG through 10 AWG and can cut small machine screws 4-40 through 10-32.



WT-115A LARGE GAUGE CRIMPING TOOL

The **WT115A** crimps non-insulated terminals and connectors from 8 AWG through 2 AWG. The adjustable rotating die head selects the desired wire gauge.



94840 COMPACT CRIMPING TOOL

This hammer or vise combination tool delivers reliable crimps on 6 gauge through 4/0 insulated terminals splices, battery cables, lugs, and solderless battery cable terminals.

NOTE: For additional crimping tools, please contact our Customer Service Department.



94284 PROFESSIONAL CRIMPING TOOL

Compound action exerts maximum force for fast, reliable crimps every time. One screw adjustment provides for easy calibration to compensate for die wear. The diamond shape crimp compresses all strands together to form a solid mass of copper, assuring a low resistance connection.

Controlled cycle ratchet mechanism is a quality control device. Once a crimp is started, the tool will not open until the crimp is completed. (Quick release lever allows tool to open at any time). **(NOTE: SPECIAL ORDER)**



**DETAIL OF
ADJUSTABLE HEAD**

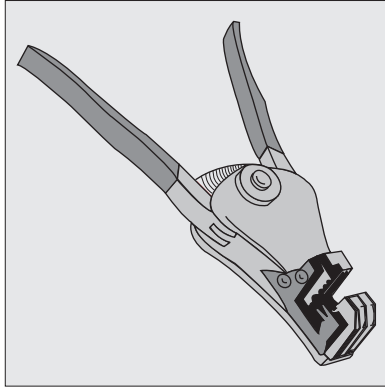
**For additional tools and tool accessories,
Please contact our Customer Service Department
1-800-854-2201**



ABC-500 HAND CRIMPING TOOL

The ABC-500 Hand Crimping Tool is ELECTROFAST'S most economical crimping tool which will crimp most insulated and non-insulated terminals and connectors from AWG through 10 AWG.

CABLE STRIPPERS STRIPMASTER®



STRIPMASTER® quickly and professionally strips wire up to 7/8". Stripping jaws open automatically for removing wire without crushing ends eliminating nicking, cutting, and fraying. This accurate tool is useful for stripping lighter gauge wires, automotive wiring, radio and instrument wire and cable, aviation wire, telephone or fixture wire, etc. Blades can be changed by removing two screws.

PRODUCT NO.	NUMBER OF HOLES	FOR WIRE GAUGES
45-090	3	8 to 12
45-091	4	10 to 18
45-092	5	10 to 22
45-093	4	14 to 22
45-095	-	16 to 18, SP & SPT Slot
45-097	6	16 to 26



CABLE CUTTERS 94012 HAND CABLE CUTTER

This compact 8" long cutter is excellent for stranded copper and aluminum wire up to 2/0 AWG. The patented offset bite eliminates compression and frayed or flattened ends.



94014 HEAVY DUTY CABLE CUTTER

This mid-sized cable cutter is 16-1/2 inches long with steel handles and fixed blades and is designed for cutting stranded copper and aluminum wire gauges up to 350 MCM.

94015 HEAVY DUTY CABLE CUTTER

This full sized cable cutter is 20-3/4 inches long with fiberglass handles and replaceable blades and is designed for cutting stranded copper and aluminum wire up to 500 MCM.



STANDARD DRILL BIT

ELECTROFAST carries a wide range of drill bit types and sizes. The items shown below represent some of our most popular in stock drill bits. To order any of these drill bits, use the series letters as a prefix and the size as a suffix (e.g. DR-1/4). If you need further ordering information or instruction, or for additional item availability, please contact our Customer Service Department for assistance 1-800-854-2201.

SERIES

DR-(size)	Fractional, heavy duty, jobbers length, straight shank, 135 degree split point, surface treated. For use in applications involving relatively hard alloyed materials of high tensile strength and low machinability. Available in sizes from 1/64" through 1/2".
DR-(size)	Wire sizes, heavy duty, jobbers length, straight shank, 135 degree split point and surface treated in sizes 1 through 52. Sizes 52 through 80 are not surface treated and have a standard point. This series is for use on the same types of materials as series DR above.
DR-(size)	Letter sizes, heavy duty, jobbers length, straight shank, 135 degree split point and surface treated. For use on the same types of materials as series DR above.
DR-(size)CB*	Fractional sizes, 8% cobalt, jobbers length, 135 degree split point. For use in machining hard, tough materials beyond the normal cutting capabilities of regular high speed cutting tools. These include work hardening grades of stainless steel, titanium, high temperature alloys and many other heat treated materials. Available in sizes 3/64" through 1/2".
DR-(size)CB*	Wire sizes, 8% cobalt, jobbers length, 135 degree split point. For use on the same types of materials as series DR above. Available in sizes 1 through 60.

GENERAL DESCRIPTION

*NOTE: CB = COBALT

NOTE: HIGH MOLYBDENUM Drill Bits are available for Fractional, Letter, and Number drills. Add Suffix **HM** to the Product Number. For features and benefits of High Moly bits versus other bits, please contact our Customer Service Department at 1-800-854-2201.



SILVER AND DEMING 1/2" SHANK DRILL BITS

Made of the highest quality high speed steel, these drill bits are available in sizes 33/64" through 1-1/2".

NOTE: Other Shank Drill Bits Available
Please Contact Customer Service 1-800-854-2201



DRILL BIT SETS

PRODUCT NO.

DESCRIPTION

DR-13HD	Consists of 13 heavy duty, fractional size drill bits from 1/16" thru 1/4" by 64ths.
DR-15HD	Consists of 15 heavy duty, fractional size drill bits from 1/16" thru 1/2" by 32nds.
DR-21HD	Consists of 21 heavy duty, fractional size drill bits from 1/16" thru 3/8" by 64ths.
DR-29HD	Consists of 29 heavy duty, fractional size drill bits from 1/16" thru 1/2" by 64ths.
DR-29CB*	Consists of 29 8% cobalt, 135 degree split point, fractional size drill bits from 1/16" thru 1/2" by 64ths.

*NOTE: CB = COBALT

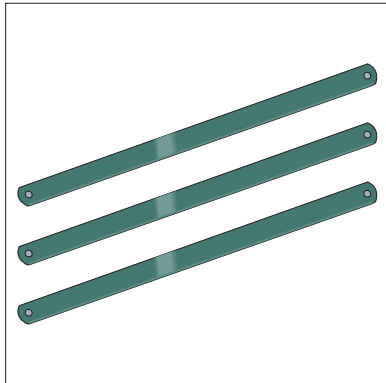
ELECTRO-FAST is an authorized CONSOLIDATED TOLEDO CUTTING TOOL representative. Many other drills, taps, dies, reamers, etc. are available. Please contact inside sales or Customer Service at 1-800-854-2201.

STANDARD HAND TAPS



PRODUCT NO. PLUG	SIZE	PITCH DIAMETER LIMITS	NO. OF FLUTES
TAP 4-40P	4-40	H2	3
TAP 5-40P	5-40	H2	3
TAP 6-32P	6-32	H3	3
TAP 8-32P	8-32	H3	4
TAP 10-24P	10-24	H3	4
TAP 10-32P	10-32	H3	4
TAP 12-24P	12-24	H3	4
TAP 1/4-20P	1/4-20	H3	4
TAP 1/4-28P	1/4-28	H3	4
TAP 5/16-18P	5/16-18	H3	4
TAP 5/16-24P	5/16-24	H3	4
TAP 3/8-16P	3/8-16	H3	4
TAP 3/8-24P	3/8-24	H3	4
TAP 7/16-14P	7/16-14	H3	4
TAP 7/16-20P	7/16-20	H3	4
TAP 1/2-13P	1/2-13	H3	4
TAP 1/2-20P	1/2-20	H3	4
TAP 9/16-12P	9/16-12	H3	4
TAP 9/16-18P	9/16-18	H3	4
TAP 5/8-11P	5/8-11	H3	4
TAP 5/8-18P	5/8-18	H3	4
TAP 11/16-11P	11/16-11	H3	4
TAP 11/16-16P	11/16-16	H3	4
TAP 3/4-10P	3/4-10	H3	4
TAP 3/4-16P	3/4-16	H3	4
TAP 7/8-9P	7/8-9	H4	4
TAP 7/8-14P	7/8-14	H4	4
TAP 1-8P	1-8	H4	4
TAP 1-12P	1-12	H4	4

EXAMPLE FOR ORDERING TAPS: A Size 4-40 Plug Tap = TAP 4-40P



HACK SAW BLADES

ELECTROFAST distributes bi-metal hack saw blades with tooth lines of high alloy, high speed steel that are electron beam welded to a backing of tough alloy tool steel. This combines the cutting power and wear resistance of a hard steel blade with a degree of flexibility that is vastly superior to that of edge hardened or conventional flexible blades. These blades are corrosive resistant finished.

PRODUCT NO.	LENGTH	TEETH PER INCH
HSBM10-18	10"	18
HSBM10-24	10"	24
HSBM10-32	10"	32
HSBM12-14	12"	14
HSBM12-18	12"	18
HSBM12-24	12"	24
HSBM12-32	12"	32

NOTE: HACK SAW FRAMES ARE ALSO AVAILABLE

ELECTRO-FAST Distribution carries a full line of cutting tools, drill bits, taps, reamers, saws, hole saws, and razor blades.

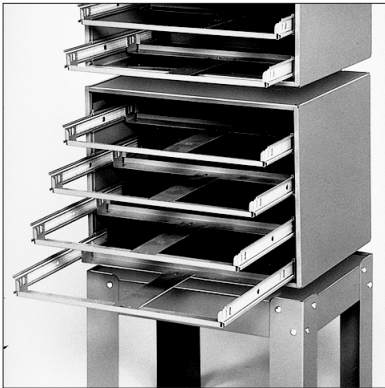
Please contact Customer Service for full line catalogs.



METAL BOXES

These parts boxes are manufactured of prime cold rolled steel and are finished in rust and acid resistant baked grey enamel with handles and positive pull-down catches. All boxes are furnished with high impact, removable, compartment inserts. The adjustable boxes are furnished with movable dividers which allow for flexibility in creating compartment sizes. All models have covers designed to remain open when accessing parts affording ease in reading

LARGE BOXES		SMALL BOXES	
DIMENSIONS 18"W x 12"D x 3"H		DIMENSIONS 13-5/16"W x 9-1/4"D x 2"H	
PRODUCT NO.	NO. OF COMPARTMENTS	PRODUCT NO.	NO. OF COMPARTMENTS
DL-32C	32	DS-24C	24
DL-24C	24	DS-21C	21
DL-21C	21	DS-20C	20
DL-20C	20	DS-16C	16
DL-16C	16	DS-12C	12
DL-12C	12	DS-8C	8
DL-ADLC	ADJUSTABLE		



SLIDE RACKS

All Rack units are sold empty. Metal Boxes are sold separately. Rack Bases are available and are also sold separately. Locking Bar Kits are available upon request.

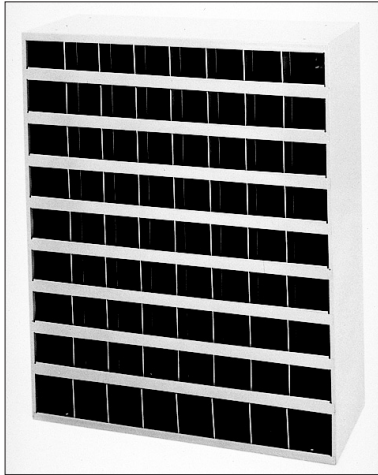
PRODUCT NO.	DIMENSIONS W x D x H	BOX SIZE	NO. OF DRAWERS
D-4LR	20" x 15-3/4" x 14-1/2"	LARGE	4
D-4SR	15-1/4" x 11-3/4" x 15-1/2"	SMALL	4
D-6SR	15-1/4" x 11-3/4" x 15-1/2"	SMALL	6



YELLOW TUFF-TAINERS®

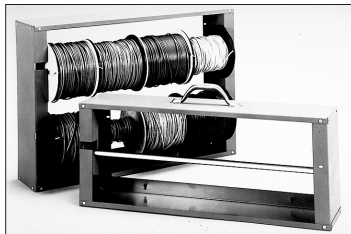
Molded polypropylene, these boxes are break and crush proof and are chemically inert. All TUFF-TAINERS® are 13-1/8" Wide x 9" Deep x 2-5/16" High.

PRODUCT NO.	NO. OF COMPARTMENTS
D-PYB24	24
D-PYB18	18
D-PYB12	12
D-PYB8	8
D-PYB6	6



METAL STORAGE BINS

PRODUCT NO.	DIMENSIONS W x D x H	COMPARTMENTS
D-40B	35-1/4" x 24" x 12"	40
D-56B	35-1/4" x 42" x 12"	56
D-72B	35-1/4" x 42" x 12"	72

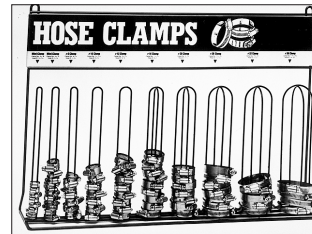


WIRE SPOOL RACK

26" Wide x 36-1/2" High x 5-3/4" Deep

PRODUCT NO.

D-WSR-1
D-WSR-2
D-WSR-4



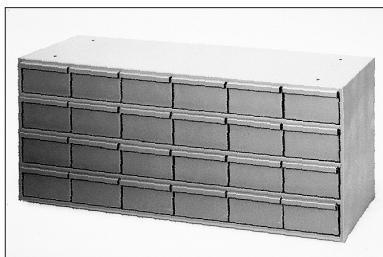
HOSE CLAMP RACK

23-1/4" Wide x 15" High x 4-1/4" Deep

PRODUCT NO.

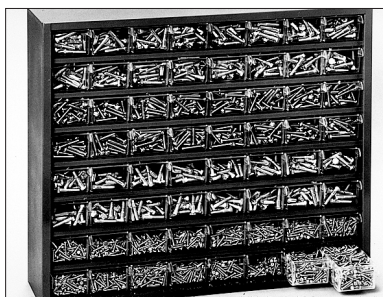
D-10-LCR

For Clamps from the smallest mini up to the 2-1/2" #36 Clamp.



STORAGE CABINETS Metal Cabinet / Metal Drawers

PRODUCT NO.	DIMENSIONS W x D x H	NO. OF DRAWERS	DIVIDERS INCLUDED
D-18D	34" x 11" x 11-5/8"	18	36
D-24D	34" x 14-1/2" x 11-5/8"	24	48



STORAGE CABINET Metal Cabinet / Clear Plastic Drawers

PRODUCT NO.	DIMENSIONS W x D x H	NO. OF DRAWERS	DIVIDERS INCLUDED
D-BFC-20	16-3/8" x 11" x 6-3/8"	20	40
D-BFC-64	25-3/8" x 21-1/8" x 6-3/8"	64	128

Drawers are manufactured of break-resistant high impact styrene.

TAP DRILL SELECTION

Recommended for 75% Depth of Thread

Drill This Size Hole			To Tap For This Size Bolt or Screw
Drill Size	Decimal Equivalent	Nearest Fraction	
3/64	.0469	3/64	0-80 NF
53	.0595	1/16	1-64 NC
53	.0595	1/16	1-72 NF
51	.0670	none	2-56 NC
50	.0700	none	2-64 NF
5/64	.0781	5/64	3-48 NC
45	.0820	none	3-56 NF
44	.0860	none	4-46 NS
43	.0890	3/32	4-40 NC
42	.0935	3/32	4-48 NF
2.5 mm	.0984	none	3-0.60 mm
38	.1015	none	1/8-40 NS
38	.1015	none	5-40 NC
37	.1040	none	5-44 NF
36	.1065	7/64	6-32 NC
34	.1110	none	6-36 NS
33	.1130	none	6-40 NF
31	.1200	none	6-48 NS
3.40 mm	.1339	none	4-0.70 mm
3.40 mm	.1339	none	4-0.75 mm
29	.1360	none	8-32 NC
29	.1360	9/64	8-36 NF
28	.1405	none	8-40 NS
26	.1470	none	3/16-24 NS
25	.1495	5/32	10-24 NC
22	.1570	none	3/16-32 NS
21	.1590	5/32	10-32 NF
4.2 mm	.1653	none	5-0.90 mm
4.3 mm	.1693	none	5-0.80 mm
17	.1730	11/64	12-24 NC
4.6 mm	.1811	3/16	12-28 NF
13	.1850	none	12-32 NEF
10	.1935	none	14-20 NS
7	.2010	13/64	1/4-20 NC
7	.2010	none	14-24 NS
5.2 mm	.2047	none	6-1.00 mm
4	.2090	none	1/4-24 NS
3	.2130	7/32	1/4-28 NF
7/32	.2188	7/32	1/4-32 NEF
1	.2280	none	1/4-40 NS
6.1 mm	.2401	15/64	7-1.00 mm
F	.2570	17/64	5/16-18 NC
6.9 mm	.2716	17/64	8-1.25 mm
1	.2720	none	5/16-24 NF
7.1 mm	.2795	none	8-1.00 mm
9/32	.2812	9/32	5/16-32 NEF
7.9 mm	.3110	none	9-1.25 mm
O	.3160	5/16	3/8-16 NC
8.1 mm	.3189	none	9-1.00 mm
8.3 mm	.3268	none	9-0.75 mm
8.5 mm	.3346	21/64	3/8-24 NF
8.7 mm	.3425	none	10-1.50 mm
8.9	.3503	11/32	10-1.25 mm

Drill This Size Hole			To Tap For This Size Bolt or Screw
Drill Size	Decimal Equivalent	Nearest Fraction	
9.1 mm	.3583	none	10-1.00 mm
U	.3680	23/64	7/16-14 NC
9.7	.3818	none	11-1.50 mm
25/64	.3906	25/64	7/16-20 NF
10.5	.4133	none	12-1.75 mm
10.7 mm	.4212	27/64	12-1.50 mm
27/64	.4219	27/64	1/2-13 NC
10.9 mm	.4219	27/64	12-1.25 mm
29/64	.4531	29/64	1/2-20 NF
12.2 mm	.4803	29/64	1/2-24 NS
31/64	.4844	31/64	14-2.00 mm
31/64	.4844	31/64	9/16-12 NC
12.8 mm	.5039	none	14-1.50 mm
33/64	.5156	33/64	9/16-18 NF
17/32	.5312	17/32	5/8-11 NC
14.2 mm	.5590	35/64	16-2.00 mm
37/64	.5781	37/64	5/8-18 NF
14.7 mm	.5787	none	16-1.50 mm
19/32	.5938	19/32	11/16-11 NS
15.8 mm	.6220	39/64	18-2.50 mm
5/8	.6250	5/8	11/16-16 NS
21/32	.6562	21/32	3/4-10 NC
16.8 mm	.6614	none	18-1.50 mm
17.5 mm	.6890	11/16	3/4-16 NF
17.8 mm	.7008	11/16	20-2.50 mm
49/64	.7656	49/64	7/8-9 NC
13/16	.8125	13/16	7/8-14 NF
20.9 mm	.8228	none	22-1.50 mm
53/64	.8281	53/64	7/8-18 NS
21.4 mm	.8425	53/64	24-3.00 mm
7/8	.8750	7/8	1-8 NC
22.3 mm	.8779	none	24-2.00 mm
59/64	.9219	59/64	1-12 NF
15/16	.9375	15/16	1-14 NS
63/64	.9844	63/64	1-1/8-7 NC
1-3/64	1.0469	1-3/64	1-1/8-12 NF
1-7/64	1.1094	1-7/64	1-1/4-7 NC
1-11/64	1.1719	1-11/64	1-1/4-12 NF
1-7/32	1.2188	1-7/32	1-3/8-6 NC
1-19/64	1.2969	1-19/64	1-3/8-12 NF
1-11/32	1.3438	1-11/32	1-1/2-6 NC
1-27/64	1.4219	1-27/64	1-1/2-12 NF
National Pipe Tapered Taps			
R	.3390	none	1/8-27 NPT
7/16	.4375	7/16	1/4-18 NPT
15 mm	.5906	37/64	3/8-18 NPT
45/64	.7031	45/64	1/2-14 NPT
59/64	.9219	59/64	3/4-14 NPT
1-5/32	1.1562	1-5/32	1-11/2 NPT
1-1/2	1.5000	1-1/2	1-1/4-11-1/2 NPT
1-47/64	1.7344	1-47/64	1-1/2-11-1/2 NPT
2-7/32	2.2188	2-7/32	2-11-1/2 NPT

NC = National Course NF = National Fine NPT = National Pipe Thread
 NS = National Standard NEF = National Extra Fine



HKP-HH PANEL MOUNT FUSE HOLDER

15 amp Panel Mount Fuse Holder with quick connect terminals. for 1/4" x 1-1/4" fuses. Panel Mount Fuse Holders for other size fuses are available upon request.



HEB SERIES WATERPROOF FUSE HOLDER

For any 13/32" x 1-1/2" fuse. Fuse Holder is rated 30 amp, 600 volt. Accepts typical fuse types: BAF, FNM, FNQ, and KTK.



HHC SERIES WATERPROOF FUSE HOLDER

For ATC Blade-Type fuses. Fuse Holder is rated 3-20 amp, 32Vdc. #16 black leadwire.



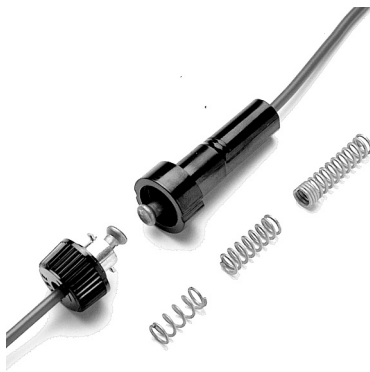
HFB WATERPROOF IN-LINE FUSE HOLDER

For 1/4" x 1-1/4" fuses. Fuse Holder is rated 30 amps, 32 volts. Ideal for harsh environments. One piece molded thermoplastic.



HHB UNIVERSAL IN-LINE FUSE HOLDER

Economical and versatile nylon fuse holder for normal environments. Nylon Fuse Holder is rated at 30 amps, 32 volts.



BFR-3S IN-LINE FUSE HOLDER

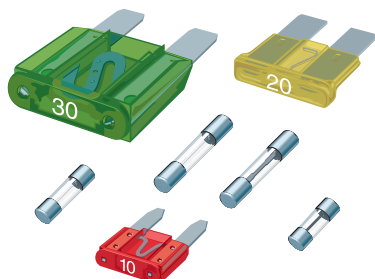
For 1/4" diameter fuses 5/8" through 1-1/4" long. Packaged with 3 sizes of springs to adapt holder to fuse length. Equipped with 15" loop of 14 gauge wire.



BATTERIES

PRODUCT NO.

- ALK-AAA
- ALK-AA
- ALK-C
- ALK-D
- ALK-N
- ALK-9V
- 123A LITHIUM
- ALK-AAAA

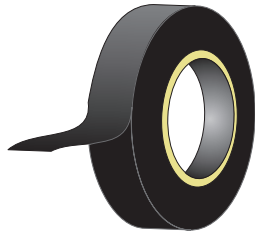
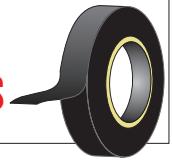


FUSES

ELECTRO-FAST Distribution carries a full line of fuses, fuse holders, and fuse accessories. Please request a full line catalog from our Customer Service Department at 1-800-854-2201.

Conversion Chart

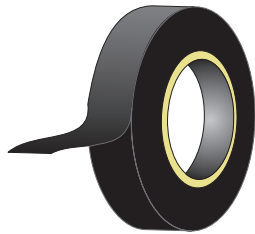
INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM	INCHES FRCTN.	DEC.	MM
-	.0004	.0100	21/32	.6560	16.6690	1-3/4	1.7500	4.4500	3-1/16	3.0620	77.7880
-	.0040	.1000	-	.6693	17.0000	-	1.7717	45.0000	-	3.0709	78.0000
-	.0100	.2500	43/64	.6720	17.0660	1-25/32	1.7810	45.2440	3-3/32	3.0940	78.5810
1/64	.0156	.3970	11/16	.6875	17.4630	-	1.8110	46.0000	-	3.1102	79.0000
-	.0197	.5000	45/64	.7030	17.8590	1-13/16	1.8125	46.0380	3-1/8	3.1250	79.3750
-	.0295	.7500	-	.7087	18.0000	1-27/32	1.8440	46.8310	-	3.1496	80.0000
1/32	.0313	.7940	23/32	.7190	18.2560	-	1.8504	47.0000	3-5/32	3.1560	80.1690
-	.0394	1.0000	-	.7283	18.5000	1-7/8	1.8750	47.6250	3-3/16	3.1875	80.9630
3/64	.0469	1.1910	47/64	.7340	18.6530	-	1.8898	48.0000	-	3.1890	81.0000
-	.0590	1.5000	-	.7480	19.0000	1-29/32	1.9062	48.4190	3-7/32	3.2190	81.7560
1/16	.0620	1.5880	3/4	.7500	19.0500	-	1.9291	49.0000	-	3.2283	82.0000
5/64	.0781	1.9840	49/64	.7656	19.4470	1-15/16	1.9375	49.2130	3-1/4	3.2500	82.5500
-	.0787	2.0000	25/32	.7810	19.8440	-	1.9685	50.0000	-	3.2677	83.0000
3/32	.0940	2.3810	-	.7874	20.0000	1-31/32	1.9690	50.0060	3-9/32	3.2810	83.3440
-	.0984	2.5000	51/64	.7970	20.2410	2	2.0000	50.8000	-	3.3071	84.0000
7.64	.1090	2.7780	13/16	.8125	20.6380	-	2.0079	51.0000	3-5/16	3.3120	84.1377
-	.1181	3.0000	-	.8268	21.0000	2-1/32	2.0313	51.5940	3-11/32	3.3440	84.9314
1/8	.1250	3.1750	53/64	.8280	21.0340	-	2.0472	52.0000	-	3.3464	85.0000
-	.1378	3.5000	27/32	.8440	21.4310	2-1/16	2.0620	52.3880	3-3/8	3.3750	85.7250
9/64	.1410	3.5720	55/64	.8590	21.8280	-	2.0866	53.0000	-	3.3858	86.0000
5/32	.1560	3.9690	-	.8662	22.0000	2-3/32	2.0940	53.1810	3-13/32	3.4060	86.5190
-	.1575	4.0000	7/8	.8750	22.2250	2-1/8	2.1250	53.9750	-	3.4252	87.0000
11/64	.1720	4.3660	57/64	.8906	22.6220	-	2.1260	54.0000	3-7/16	3.4380	87.3130
-	.1770	4.5000	-	.9055	23.0000	2-5/32	2.1560	54.7690	-	3.4646	88.0000
3/16	.1875	4.7630	29/32	.9062	23.0190	-	2.1650	55.0000	3-15/32	3.4690	88.1060
-	.1969	5.0000	59/64	.9220	23.4160	2-3/16	2.1875	55.5630	3-1/2	3.5000	88.9000
13/64	.2030	5.1590	15/16	.9375	23.8130	-	2.2047	56.0000	-	3.5039	89.0000
-	.2165	5.5000	-	.9449	24.0000	2-7/32	2.2190	56.3560	3-17/32	3.5310	89.6940
7/32	.2190	5.5560	61/64	.9530	24.2090	-	2.2440	57.0000	-	3.5433	90.0000
15/64	.2340	5.9530	31/32	.9690	24.6060	2-1/4	2.2500	57.1500	3-9/16	3.5620	90.4877
-	.2362	6.0000	-	.9843	25.0000	2-9/32	2.2810	57.9440	-	3.5827	91.0000
1/4	.2500	6.3500	63/64	.9844	25.0030	-	2.2835	58.0000	3-19/32	3.5940	91.2810
-	.2559	6.5000	1	1.0000	25.4000	2-5/16	2.3120	58.7380	-	3.6220	92.0000
17/64	.2656	6.7470	-	1.0236	26.0000	-	2.3228	59.0000	3-5/8	3.6250	92.0750
-	.2756	7.0000	1-1/32	1.0312	26.1940	2-11/32	2.3440	59.5310	3-21/32	3.6560	92.8960
9/32	.2810	7.1440	1-1/16	1.0620	26.9880	-	2.3622	60.0000	-	3.6614	93.0000
-	.2953	7.5000	-	1.0630	27.0000	2-3/8	2.3750	60.3250	3-11/16	3.6875	93.6630
19/64	.2970	7.5410	1-3/32	1.0940	27.7810	-	2.4016	61.0000	-	3.7008	94.0000
5/16	.3120	7.9380	-	1.1024	28.0000	2-13/32	2.4060	61.1190	3-23/32	3.7190	94.4560
-	.3150	8.0000	1-1/8	1.1250	28.5750	2-7/16	2.4380	61.9130	-	3.7401	95.0000
21/64	.3280	8.3340	-	1.1417	29.0000	-	2.4409	62.0000	3-3/4	3.7500	92.2500
-	.3350	8.5000	1-5/32	1.1560	29.3690	2-15/32	2.4690	62.7060	-	3.7795	96.0000
11/32	.3440	8.7310	-	1.1811	30.0000	-	2.4803	63.0000	3-25/32	3.7810	96.0440
-	.3543	9.0000	1-3/16	1.1875	31.1630	2-1/2	2.5000	63.5000	3-13/16	3.8125	96.8380
23/64	.3590	9.1280	1-7/32	1.2190	30.9560	-	2.5197	64.0000	-	3.8189	97.0000
-	.3740	9.5000	-	1.2205	31.0000	2-17/32	2.5310	64.2940	3-26/32	3.8440	97.6310
3/8	.3750	9.5250	1-1/4	1.2500	31.7500	-	2.5590	65.0000	-	3.8583	98.0000
25/64	.3910	9.9220	-	1.2598	32.0000	2-9/16	2.5620	65.0880	3-7/8	3.8750	98.4250
-	.3937	10.0000	1-9/32	1.2810	32.5440	2-19/32	2.5940	65.8810	-	3.8976	99.0000
13/32	.4060	10.3190	-	1.2992	33.0000	-	2.5984	66.0000	3-29/32	3.9062	99.2190
-	.4130	10.5000	1-5/16	1.3120	33.3380	2-5/8	2.6250	66.6750	-	3.9370	100.0000
27/64	.4220	10.7160	-	1.3386	34.0000	-	2.6380	67.0000	3-15/16	3.9375	100.0130
-	.4331	11.0000	1-11/32	1.3440	34.1310	2-21/32	2.6560	67.4690	3-31/32	3.9690	100.8060
7/16	.4380	11.1130	1-3/8	1.3750	34.9250	-	2.6772	68.0000	-	3.9764	101.0000
29/64	.4530	11.5090	-	1.3779	35.0000	2-11/16	2.6875	68.2630	4	4.0000	101.6000
15/32	.4690	11.9060	1-13/32	1.4060	35.7190	-	2.7165	69.0000	4-1/16	4.0620	103.1880
-	.4724	12.0000	-	1.4173	36.0000	2-23/32	2.7190	69.0560	4-1/8	4.1250	104.7750
31/64	.4840	12.3030	1-7/16	1.4380	36.5130	2-3/4	2.7500	69.8500	-	4.1338	105.0000
-	.4920	12.5000	-	1.4567	37.0000	-	2.7559	70.0000	4-3/16	4.1875	106.3630
1/2	.5000	12.7000	1-15/32	1.4690	37.3060	2-25/32	2.7810	70.6439	4-1/4	4.2500	107.9500
-	.5118	13.0000	-	1.4961	38.0000	-	2.7953	71.0000	4-5/16	4.3120	109.5380
33/64	.5156	13.0970	1-1/2	1.5000	38.1000	2-13/16	2.8125	71.4376	-	4.3307	110.0000
17/32	.5310	13.4940	1-17/32	1.5310	38.8940	-	2.8346	72.0000	4-3/8	4.3750	111.1250
35/64	.5470	13.8910	-	1.5354	39.0000	2-27/32	2.8440	72.2314	4-7/16	4.4380	112.7130
-	.5512	14.0000	1-9/16	1.5620	39.6880	-	2.8740	73.0000	4-1/2	4.5000	114.3000
9/16	.5630	14.2880	-	1.5748	40.0000	2-7/8	2.8750	73.0250	-	4.5275	115.0000
-	.5710	14.5000	1-19/32	1.5940	40.4810	2-29/32	2.9062	73.8190	4-9/16	4.5620	115.8880
37/64	.5790	14.6840	-	1.6142	41.0000	-	2.9134	74.0000	4-5/8	4.6250	117.4750
-	.5906	15.0000	1-5/8	1.6250	41.2750	2-15/16	2.9375	74.6130	4-11/16	4.6875	119.0630
19/32	.5940	15.0810	-	1.6535	42.0000	-	2.9527	75.0000	-	4.7244	120.0000
39/64	.6090	15.4780	1-31/32	1.6562	42.0690	2-31/32	2.9690	75.4060	4-3/4	4.7500	120.6500
5/8	.6250	15.8750	1-11/16	1.6875	42.8630	-	2.9921	76.0000	4-13/16	4.8125	122.2380
-	.6299	16.0000	-	1.6929	43.0000	3	3.0000	76.2000	4-7/8	4.8750	123.8250
41/64	.6406	16.2720	1-23/32	1.7190	43.6560	3-1/32	3.0312	76.9940	-	4.9212	125.0000
-	.6496	16.5000	-	1.7323	44.0000	-	3.0315	77.0000	4-15/16	4.9375	125.4130
									5	5.0000	127.0000



SCOTCH[®] 33+ ELECTRICAL TAPE 3M Product

PRODUCT NO.	SIZE	PACKAGING
6132	3/4" x 66'	PLASTIC CAN

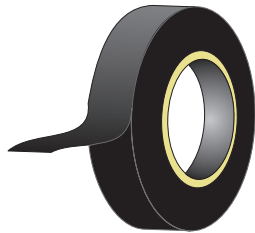
33+ is a highly conformable 7 mil tape that wraps and holds in all weather conditions. Applies easily down to 0°F and continues to perform up to 220°F.



SCOTCH[®] 88 ELECTRICAL TAPE 3M Product

PRODUCT NO.	SIZE	PACKAGING
6143	3/4" x 66'	PLASTIC CAN

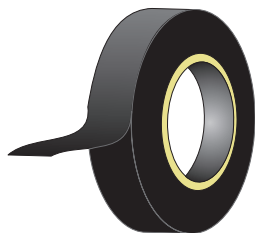
88 is a heavy duty 8.5 mil tape that is particularly well suited for cold weather applications. It remains flexible in cold weather and is remarkably conformable even on small wires.



SCOTCH[®] HIGHLAND[™] ELECTRICAL TAPE (FORMERLY HIAWATHA) 3M Product

PRODUCT NO.	SIZE	PACKAGING
6138	3/4" x 66'	CELLO WRAP

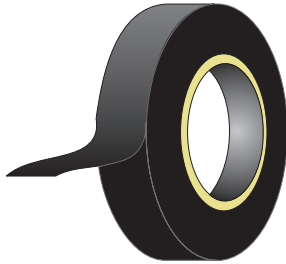
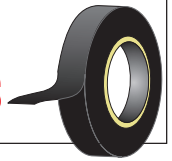
An economically priced 7 mil tape designed for use in all general electrical repairs.



1700 TEMFLEX[™] ELECTRICAL TAPE 3M Product

PRODUCT NO.	SIZE	PACKAGING
1700	3/4" x 66'	CELLO WRAP

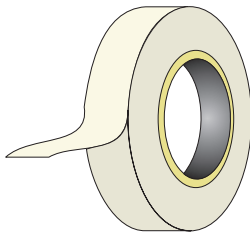
TEMFLEX[™] is an economy grade 7 mil tape that is UL listed and CSA certified for 80°C.



SCOTCH[®] 130C LINERLESS RUBBER SPLICING TAPE 3M Product

PRODUCT NO.	SIZE	PACKAGING
130C-3/4	3/4" x 30'	BOXED
130C-1	1" x 30'	
130C-1-1/2	1 1/2" x 30'	
130C-2	2" x 30'	

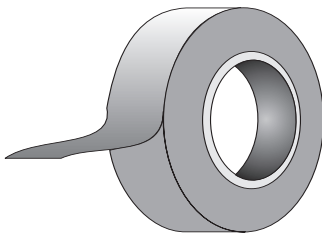
Linerless 130C is a self-bonding, 30 mil, EPR based, corona resistant insulating tape which provides a tight, void free, moisture resistant insulation without loss of electrical characteristics.



SCOTCH[®] PAINT MASKING TAPE No. 233 3M Product

PRODUCT NO.	SIZE	PACKAGING
MTA-3/4	3/4" x 60 yds.	ROLL
MTA-1	1" x 60 yds.	
MTA-1-1/2	1-1/2" x 60 yds.	
MTA-2	2" x 60 yds.	

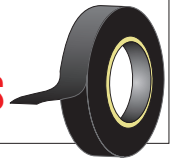
Designed specifically for the professional painter, this tape is conformable, hugs curves and contours, goes on quick and easy, sticks at a touch and stays put. Well suited for boats, trucks and aircraft. Not for extended outdoor use.



3939 DUCT TAPE 3M Product

PRODUCT NO.	SIZE	PACKAGING
3939	2" x 60 yds.	ROLL

3939 is a utility grade, poly-coated, silver-gray 11 mil cloth tape with a high tack natural rubber adhesive. This tape has a tensile strength of 25 pounds.



SCOTCH® ELECTRICAL MOISTURE SEALANT 3M Product

PRODUCT NO.	SIZE	PACKAGING
6147	2-1/2" x 10' Roll	1 ROLL / BOX
6149	2-1/2" x 2-1/2" Patches	25 / BOX

Electrical Moisture Sealant applies quickly and easily to insulate, moisture proof, and protect all automotive and marine connections. The self-fusing, rubber based insulating mastic forms a moisture tight seal around connections.



TEFLON PIPE THREAD SEALING TAPE 3M Product

PRODUCT NO.	SIZE	GRADE
TF-1/2x260	1/2" x 260" x .0035	COMMERCIAL
TF-1/2x520	1/2" x 520" x .0035	
TF-3/4x520	3/4" x 520" x .0035	

ELECTROFAST'S Commercial Grade Teflon Tape meets MIL-T-27730A, is U.S. Bureau of Ships approved, NASA approved and UL approved for use on gas service. Commercial Grade Teflon Tape has a density of 80.

FRACTIONAL/DECIMAL EQUIVALENTS

1/64 — .015625	17/64 — .265625	33/64 — .515625	49/64 — .765625
1/32 — .03125	9/32 — .28125	17/32 — .53125	25/32 — .78125
3/64 — .046875	19/64 — .296875	35/64 — .546875	51/64 — .796875
1/16 — .0625	5/16 — .3125	9/16 — .5625	13/16 — .8125
5/64 — .078125	21/64 — .328125	37/64 — .578125	53/64 — .828125
3/32 — .09375	11/32 — .34375	19/32 — .59375	27/32 — .84375
7/64 — .109375	23/64 — .359375	39/64 — .609375	55/64 — .859375
1/8 — .1250	3/8 — .3750	5/8 — .6250	7/8 — .8750
9/64 — .140625	25/64 — .390625	41/64 — .640625	57/64 — .890625
5/32 — .15625	13/32 — .40625	21/32 — .65625	29/32 — .90625
11/64 — .171875	27/64 — .421875	43/64 — .671875	59/64 — .921875
3/16 — .1875	7/16 — .4375	11/16 — .6875	15/16 — .9375
13/64 — .203125	29/64 — .453125	45/64 — .703125	61/64 — .953125
7/32 — .21875	15/32 — .46875	23/32 — .71875	31/32 — .96875
15/64 — .234375	31/64 — .484375	47/64 — .734375	63/64 — .984375
1/4 — .2500	1/2 — .5000	3/4 — .7500	1 — 1.0000

WIRE GAUGE CONVERSION CHART

MOVE DECIMAL POINT (3) PLACES TO THE RIGHT TO READ mils

AWG	DIAMETER IN Inches	CMA	AWG	DIAMETER IN Inches	CMA
4/0	.460	212,000	19	.036	1,290
3/0	.410	168,000	20	.032	1,020
2/0	.365	133,000	21	.0285	810
1/0	.325	106,000	22	.0253	642
1	.289	83,700	23	.0226	509
2	.258	66,400	24	.0201	404
3	.229	52,600	25	.0179	320
4	.204	41,700	26	.0159	254
5	.182	33,100	27	.0142	202
6	.162	26,300	28	.0126	160
7	.144	20,800	29	.0113	127
8	.128	16,500	30	.0100	101
9	.114	13,100	31	.0089	79.7
10	.102	10,400	32	.0080	63.2
11	.091	8,230	33	.0071	50.1
12	.081	6,530	34	.0063	39.8
13	.072	5,180	35	.0056	31.5
14	.064	4,110	36	.0050	25.0
15	.057	3,260	37	.0045	19.8
16	.051	2,580	38	.0040	15.7
17	.045	2,050	39	.0035	12.5
18	.040	1,620	40	.0031	9.9







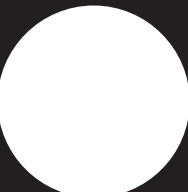
WIRE and CABLE CARRYING CAPACITIES CHART

CABLE GAUGE	LIGHT CIRCUIT CABLE (Continuous Duty)	BATTERY CABLE (Intermittent Duty)	WELDING CABLE (Up to 50 feet)
18	3 Amperes	.....	.....
16	6 Amperes	.....	.....
14	15 Amperes	.....	.....
12	20 Amperes	.....	.....
10	25 Amperes	.....	.....
8	35 Amperes	.....	.....
6	50 Amperes	90 Amperes	60 Amperes
4	.....	125 Amperes	150 Amperes
2	.....	150 Amperes	200 Amperes
1	.....	200 Amperes	250 Amperes
1/0	.....	225 Amperes	300 Amperes
2/0	.....	275 Amperes	400 Amperes
3/0	.....	325 Amperes	.....
4/0	.....	.....	.....

NOTE: Intermittent Duty Battery Cable is capable of carrying 200% of its rated ampere capacity.

To determine ampere loads in lamp circuits, add the candle power in the circuit and divide that figure by 8.

STUD SIZES

STANDARD STUD SIZE		SCREW DIAMETER	STANDARD STUD SIZE		SCREW DIAMETER	STANDARD STUD SIZE		SCREW DIAMETER				
•	#0	.060		5/16"	.312		3/4"	.750				
•	#1	.073			3/8"				.375			
•	#2	.086			7/16"	.437		7/8"	.875			
•	#3	.099			1/2"	.500						
•	#4	.112				5/8"				.625		1"	1.000
•	#5	.125										
•	#6	.138	1/4"	.250								
•	#8	.164										
•	#10	.190										
•	#12	.216										
•	#14	.242										

STANDARD RECOMMENDED ATA COLOR CODE

WHITE.....	Ground Return to Towing Vehicle
BLACK.....	ICC Required Marker and Clearance Lamps
RED.....	Stop Lamp
GREEN.....	Right Hand Directional Signal
YELLOW.....	Left Hand Directional Signal
BROWN.....	Tail Lamp, Three-Bar Marker Lamp, Clearance and Marker Lamps OTHER THAN ICC REQUIRED
BLUE.....	Auxiliary Circuits

VOLTS multiplied by AMPS = WATTS
WATTS divided by AMPS = VOLTS
WATTS divided by VOLTS = AMPS

STANDARD RECOMMENDED WIRE GAUGES for AUTOMOTIVE 6 and 12 Volt SYSTEMS

LOAD in AMPS	LENGTH OF FEET IN RUN						
	6V	12V	3'	10'	15'	25'	50' 100'
0.5	1.0	18	18	18	18	18	18
1.0	2.0	18	18	18	18	18	16
1.5	3.0	18	18	18	18	18	14
2.5	5.0	18	18	18	18	14	12
5.0	10.0	18	18	16	16	12	10
7.5	15.0	18	18	14	12	10	8
10.0	20.0	18	16	14	10	10	6
15.0	30.0	18	14	10	10	6	4
20.0	40.0	18	12	10	8	6	2
25.0	50.0	16	12	10	8	6	2
50.0	100.0	12	10	6	4	2	0
75.0	150.0	10	8	4	2	1	00
100.0	200.0	10	6	4	2	0	4/0