

# Engineering Standards Manual

**INSULATED TERMINALS**

**MIL-T, MS & NAS TERMINALS**

**UNIJAK PINS & SOCKETS**

**NON INSULATED TERMINALS & EYELETS**

**HANDLES & KNOBS**

**MOLDED TERMINAL & HEADERS**

**TERMINAL BOARDS**

**STANDOFFS, SPACERS & PANEL HARDWARE**

**USECO REFLOW**

**H-93**

**Litton**  
**USECO**

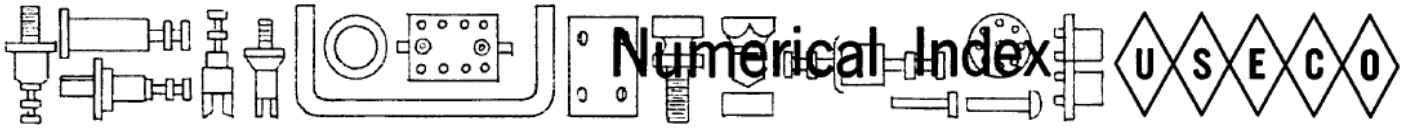


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**SECTION A INSULATED TERMINALS**

**SECTION B MIL-T, MS & NAS TERMINALS**

**SECTION C UNIJAK PINS & SOCKETS**

**SECTION D NON INSULATED TERMINALS & EYELETS**

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**SECTION I USECO REFLOW**

**USECO CODE IDENT. NO. 88245**

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768	20	1005	58	1260	46	1433	14	1513	74
769	20	1006	58	1273	35	1436	5	1514	74
773	20	1007	58	1280	44	1440	2	1515	74
780	20	1010	58	1281	44	1441	2	1520	74
783	20	1011	58	1282	44	1442	2	1523	71
784	20	1012	58	1290	49	1445	2	1529	71
785	20	1013	58	1299	44	1446	2	1530	70
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1574	73	2065	49	4485	11	7001	52		
1575	73	2500	50	4487	11	7025	40		
1576	73	2501	50	4489	11	7030	52		
1577	73	2502	50	4500	28	7031	52		
1578	73	2509	50	4501	28	7040	53		
1579	73	2510	50	4502	28	7041	53		
1580	73	2520	45	4503	28	7051	52		
1581	72	2530	51	4504	28	7052	52		
1582	72	2540	46	4505	28	7600	53		
1590	70	2764	52	4506	30	7601	53		
1591	70	3100	75	4507	30	7602	53		
1598	71	3200	75	4508	30	7603	53		
1599	71	3316	75	4509	30	7604	53		
1601	15	4008	64	4510	30	7650	53		
1602	15	4010	64	4511	30	7651	53		
1603	15	4011	64	4512	30	7652	53		
1605	15	4013	64	4513	31	7653	53		
1609	15	4033	64	4514	31	7710	38		
1611	16	4055	64	4515	31	7711	38		
1614	16	4056	64	4516	31	7712	38		
1615	16	4074	64	4517	30	7713A	38		
1617	16	4098	65	4519	28	7714	38		
1620	17	4109	65	4520	31	7715	38		
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## SECTION A

### INSULATED TERMINALS

USECO insulated terminals and feedthrus represent the broadest single line in the industry. Three basic sizes, standard, miniature, and subminiature are stocked in a wide variety of terminal and base configurations and insulating materials.

#### SPECIFICATIONS

Terminals	Choice of turret or bifurcated designs.
Material:	Brass, per ASTM B16
Bases	Choice of swage type, stud or female threads.
Material:	Brass, per ASTM B16
Standard	
Finish:	See individual page bottom

#### Insulating Materials

TEFLON Per MIL-P-19468 – Recommended for temperatures up to 500° F. Excellent electrical, environmental, mechanical and chemical characteristics.

HI ALUMINA Per MIL-I-10 L624 – Recommended for temperatures in excess of 600° F. Commonly used in radio frequency applications. Excellent electrical, environmental, mechanical and chemical characteristics.

DIALLYL PHTHALATE Per MIL-M-14, TYPE SDG-F – Recommended for temperatures up to 450° F. Very good electrical, environmental, mechanical and chemical characteristics. Standard Color Green.

**HOW TO ORDER:** Standard items should be ordered by the part number. When applicable, be sure to include the letter designation which indicates the thread and/or shank length. It will be necessary to indicate dash numbers for standard plating of USECO insulated terminals. Other platings available on special order.

Example: 1480A –4 –5  
Series 1480, Mounting variation A with standard plating.

OLD P/N	SUPERCEEDING P/N	OLD P/N	SUPERCEEDING P/N
1400	1418	1610	773
1401	1417	1612	754
1600	755	1613	750
1604	756	1616	757

Part number difference between old and new is material only. Old number was PHENOLIC. New or superceeding number is DIALLYL PHTHALATE.

**Note:** All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.

#### Custom Terminals and Platings on Special Order

Complete Plating Specifications Listed on Page 80.



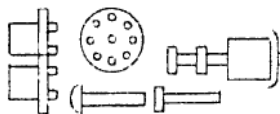
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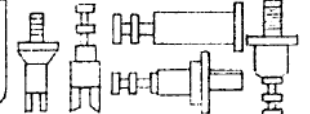
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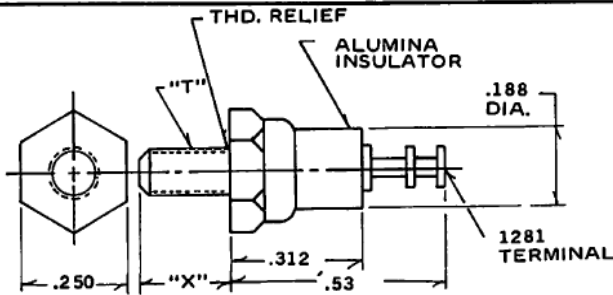




# Insulated Terminals



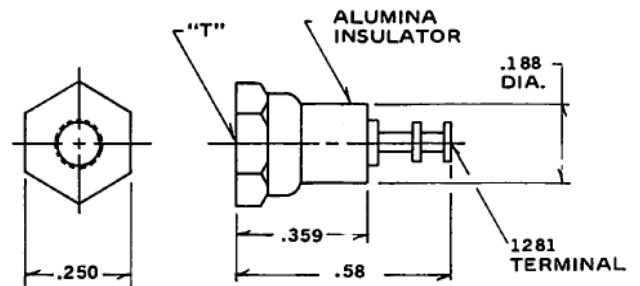
## Hi-Alumina



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1440 A	.188	6-32	1440 C	.312	6-32
1440 B	.250	6-32	1440 E	.188	4-40

D.W.V. at Sea Level 2,800

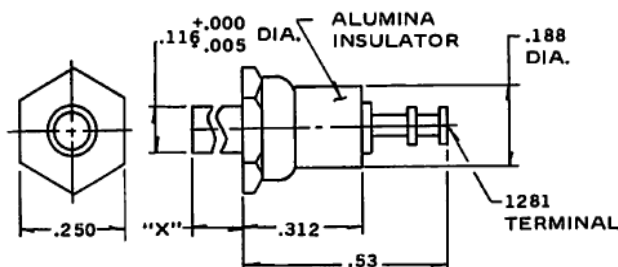
PART No. 1440



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1441 A		2-56	1441 B		4-40

D.W.V. at Sea Level 2,800

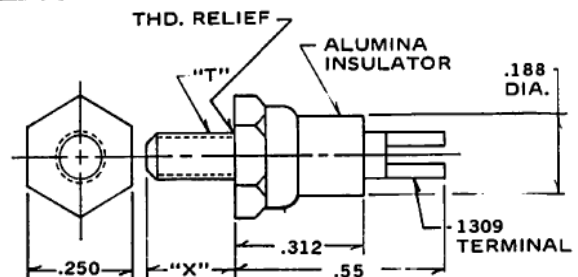
PART No. 1441



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1442 A	.075	.031	1442 C	.135	.094
1442 B	.105	.062	1442 D	.165	.125

D.W.V. at Sea Level 2,800

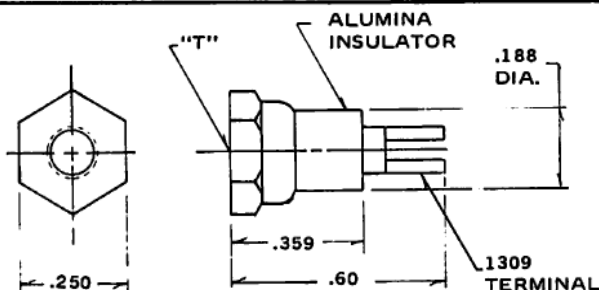
PART No. 1442



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1445 A	.188	6-32	1445 C	.312	6-32
1445 B	.250	6-32	1445 E	.188	4-40

D.W.V. at Sea Level 2,800

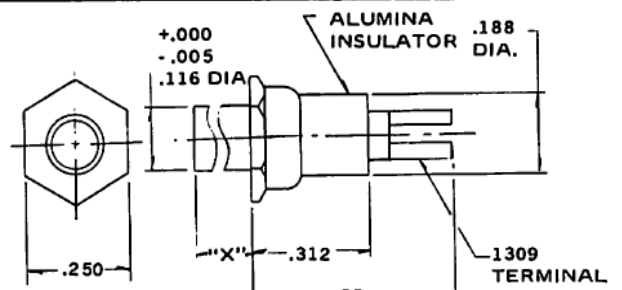
PART No. 1445



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1446 A		2-56	1446 B		4-40

D.W.V. at Sea Level 2,800

PART No. 1446



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1447 A	.075	.031	1447 C	.135	.094
1447 B	.105	.062	1447 D	.165	.125

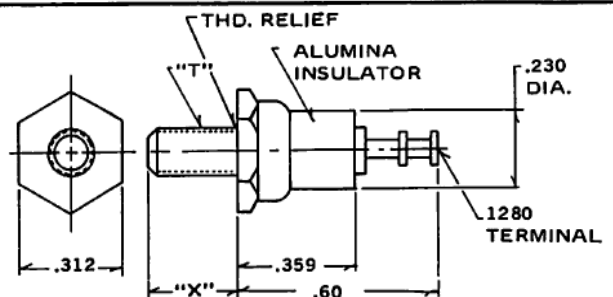
D.W.V. at Sea Level 2,800

PART No. 1447

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.188	4.77
.031	.79	.230	5.84
.062	1.57	.250	6.35
.075	1.90	.312	7.92
.094	2.39	.359	9.12
.105	2.67	.375	9.52
.116	2.95	.53	13.46
.125	3.17	.55	13.97
.135	3.43	.58	14.73
.165	4.19	.60	15.24

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1460 A	.188	6-32	1460 E	.188	4-40
1460 B	.250	6-32	1460 H	.375	4-40
1460 C	.312	6-32			
1460 D	.375	6-32			

D.W.V. at Sea Level 3,400

PART No. 1460



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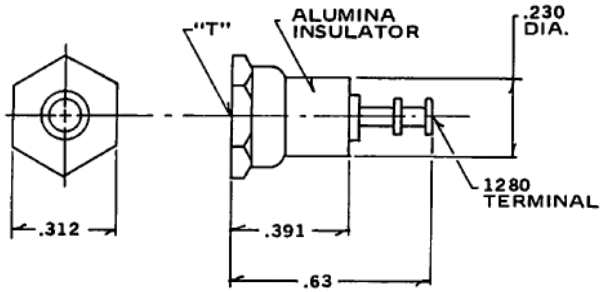
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## Hi-Alumina

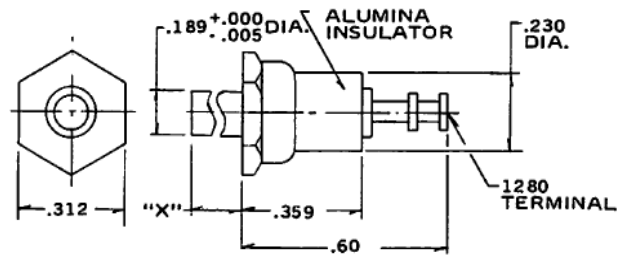
A



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1461		6-32			
1461 A		4-40			

D.W.V. at Sea Level 3,300

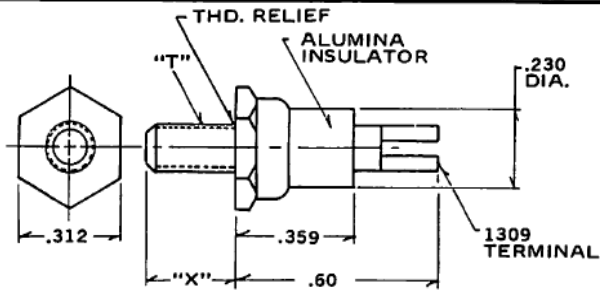
PART No. 1461



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1462 A	.054	.031	1462 C	.125	.094
1462 B	.093	.062	1462 D	.156	.125

D.W.V. at Sea Level 3,300

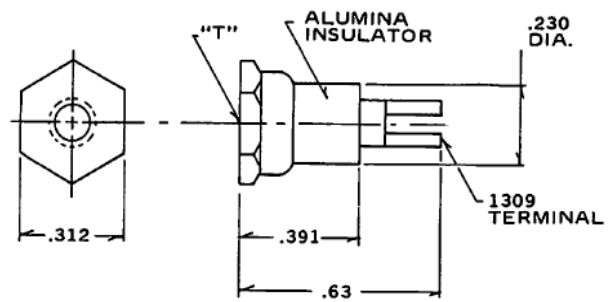
PART No. 1462



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1465 A	.188	6-32	1465 E	.188	4-40
1465 B	.250	6-32	1465 H	.375	4-40
1465 C	.312	6-32			
1465 D	.375	6-32			

D.W.V. at Sea Level 3,200

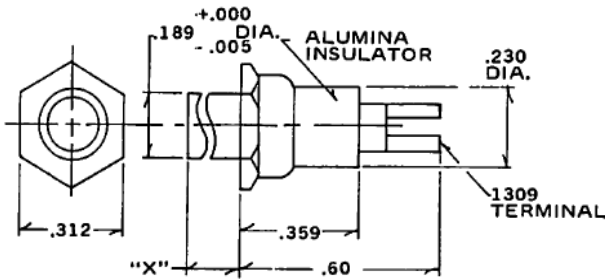
PART No. 1465



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1466		6-32			
1466 A		4-40			

D.W.V. at Sea Level 3,200

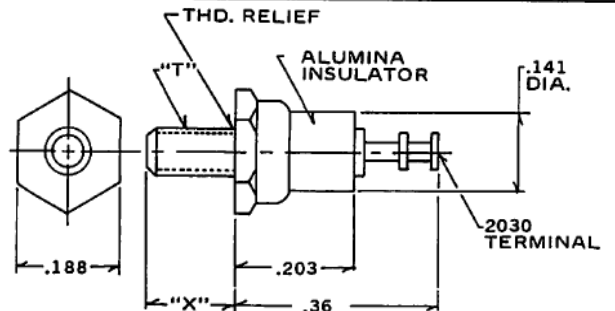
PART No. 1466



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1467 A	.054	.031	1467 C	.125	.094
1467 B	.094	.062	1467 D	.156	.125

D.W.V. at Sea Level 3,200

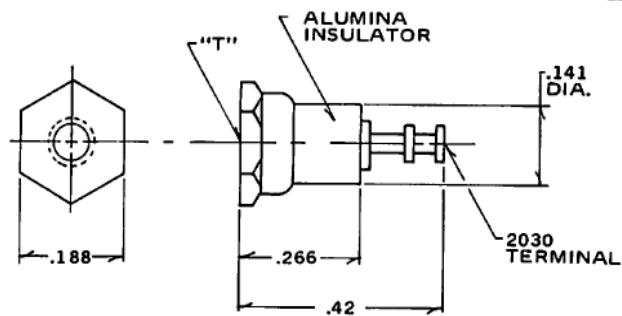
PART No. 1467



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1480 A	.125	2-56	1480 C	.125	4-40
1480 B	.218	2-56	1480 D	.218	4-40

D.W.V. at Sea Level 2,200

PART No. 1480



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1481 A		4-40			
1481 B		2-56			

D.W.V. at Sea Level 2,200

PART No. 1481

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.230	5.84
.031	.79	.250	6.35
.054	1.37	.266	6.76
.062	1.57	.312	7.92
.093	2.36	.359	9.12
.125	3.17	.360	9.14
.141	3.58	.375	9.52
.156	3.96	.391	9.93
.188	4.77	.42	10.67
.203	5.16	.60	15.24
.218	5.54	.63	16.00

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON TO ALL

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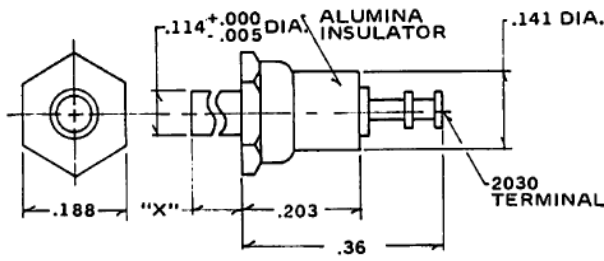
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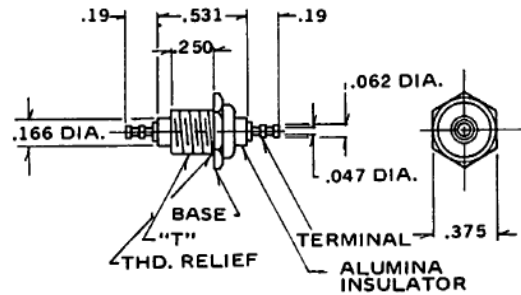
# Hi-Alumina



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1482 A	.054	.031	1482 B	.094	.062

D.W.V. at Sea Level 2,000

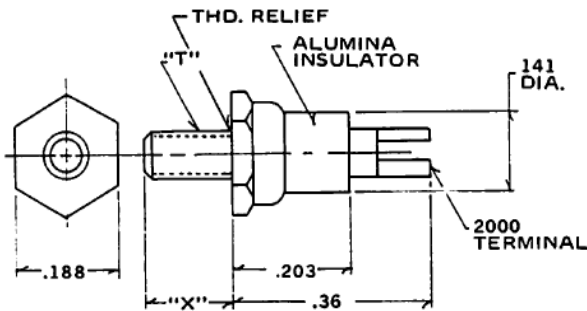
PART No. 1482



PART NO.	"X"	"T"	BD. THICK	MTG. DIA.
1483		1/4-28	.125	.257 +.003 -.001

D.W.V. at Sea Level 1,700

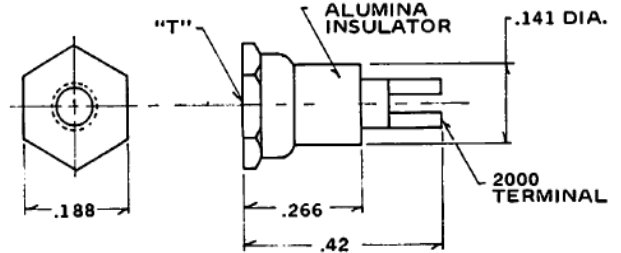
PART No. 1483



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1485 A	.125	2-56	1485 C	.125	4-40
1485 B	.218	2-56	1485 D	.218	4-40

D.W.V. at Sea Level 2,000

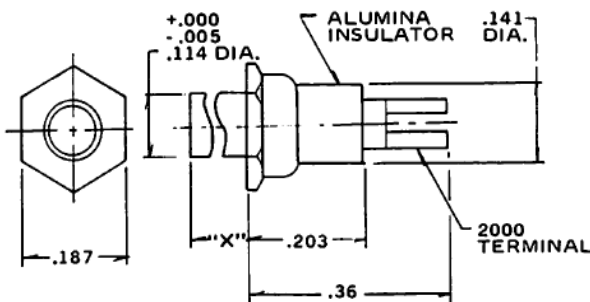
PART No. 1485



PART NO.	"T"	PART NO.	"T"
1486 A	4-40X 3 FULL THDS	1486 B	2-56X3 FULL THDS

D.W.V. at Sea Level 2,200

PART No. 1486

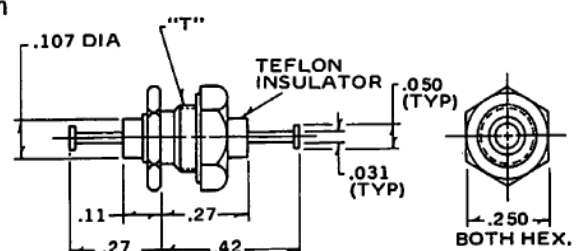


PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1487 A	.054	.031	1487 B	.094	.062

D.W.V. at Sea Level 2,000

PART No. 1487

## Teflon



PART NO.	"T"	INSUL.	BD THICK	MTG. DIA.
1431	10-32	TEFLON	.094	.193 +.003 -.001

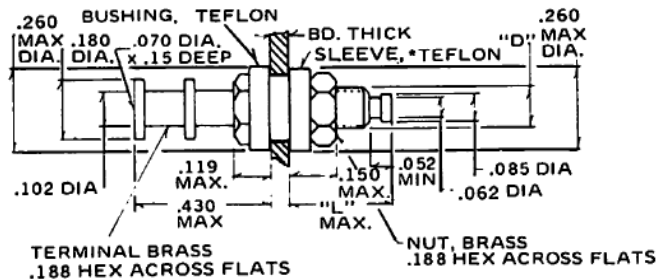
D.W.V. at Sea Level 2,100

PART No. 1431

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.11	2.79	.20	5.08
.031	.79	.114	2.89	.218	5.54
.047	1.19	.119	3.02	.250	6.35
.050	1.27	.125	3.17	.260	6.60
.052	1.32	.141	3.58	.27	6.86
.054	1.37	.15	3.81	.36	9.14
.062	1.57	.156	3.96	.375	9.53
.070	1.78	.166	4.22	.42	10.67
.085	2.16	.180	4.57	.430	10.92
.094	2.39	.187	4.75	.531	13.49
.102	2.59	.188	4.77		
.107	2.72	.19	4.83		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



PART NO.	"D"	"L"	BD. THICK	MTG. DIA.
1432	5-40	.348	.062	.195 +.000 -.004

D.W.V. at Sea Level 1,300

PART No. 1432



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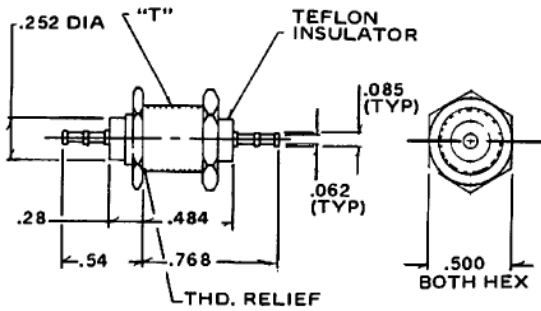
Angic Global Solutions

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<https://www.AngicGlobal.com> Sales@AngicGlobal.com (PLATING)

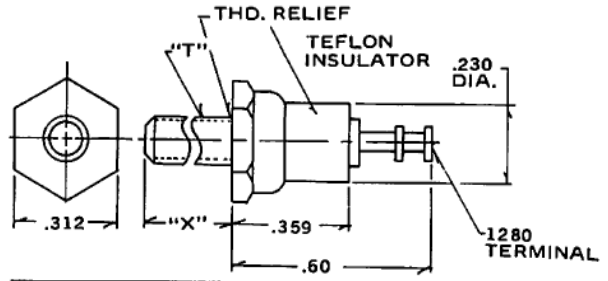


# Teflon



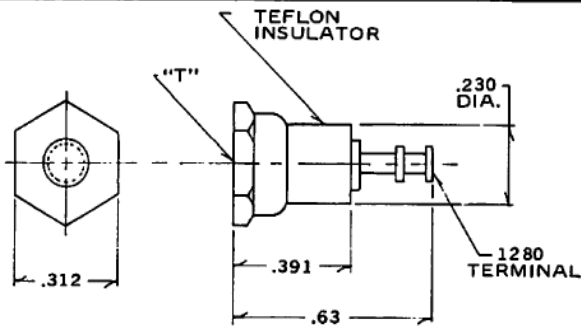
PART NO.	"T"	INSUL.	BD THICK	MTG. DIA.
1436	3/8-32	TEFLON	.250	.386

D.W.V. at Sea Level 2,100 **PART No. 1436**



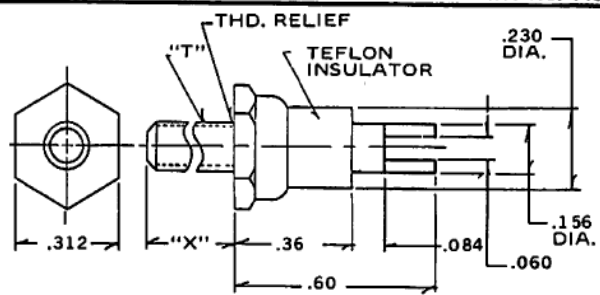
PART NO.	"X"	"T"	PART NO.	"X"	"T"
1450 A	.188	6-32	1450 E	.188	4-40
1450 B	.250	6-32	1450 H	.375	4-40
1450 C	.312	6-32			
1450 D	.375	6-32			

D.W.V. at Sea Level 4,900 **PART No. 1450**



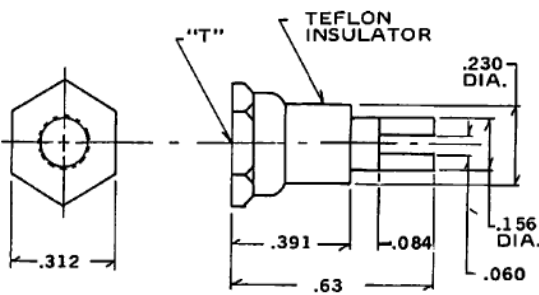
PART NO.	"T"	PART NO.	"T"
1451	6-32X3 FULL THDS	1451 A	4-40X3 FULL THDS

D.W.V. at Sea Level 4,600 **PART No. 1451**



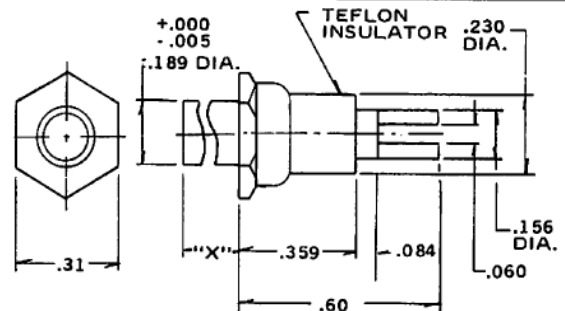
PART NO.	"X"	"T"	PART NO.	"X"	"T"
1455 A	.188	6-32	1455 E	.188	4-40
1455 B	.250	6-32	1455 H	.375	4-40
1455 C	.312	6-32			
1455 D	.375	6-32			

D.W.V. at Sea Level 4,700 **PART No. 1455**



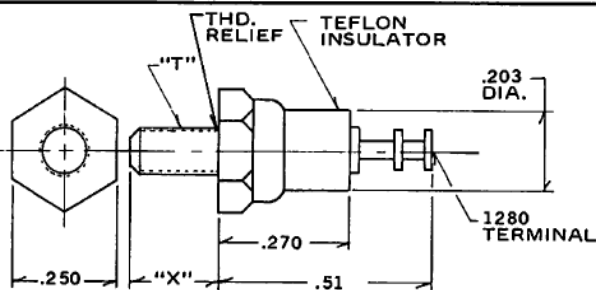
PART NO.	"T"	PART NO.	"T"
1456	6-32X3 FULL THDS	1456 A	4-40X3 FULL THDS

D.W.V. at Sea Level 5,100 **PART No. 1456**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1457 A	.054	.031	1457 C	.125	.094
1457 B	.094	.062	1457 D	.156	.125

D.W.V. at Sea Level 4,700 **PART No. 1457**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1470 A	.188	6-32	1470 E	.188	4-40
1470 B	.250	6-32	1470 F	.250	4-40

D.W.V. at Sea Level 3,600 **PART No. 1470**

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.188	4.77	.375	9.52
.031	.79	.189	4.80	.391	9.91
.054	1.37	.203	5.16	.484	12.29
.060	1.52	.230	5.84	.500	12.7
.062	1.57	.250	6.35	.51	12.95
.084	2.13	.252	6.40	.54	13.72
.085	2.16	.270	6.86	.60	15.24
.094	2.39	.28	7.11	.63	16.00
.125	3.17	.312	7.92	.768	19.51
.156	3.96	.359	9.12		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON  
PAGE

STANDARD  
PLATING:

TERMINAL

BASE



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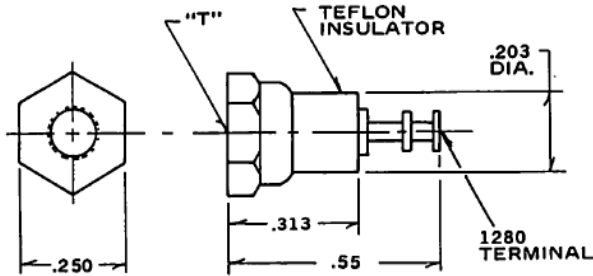
Angic Global Solutions

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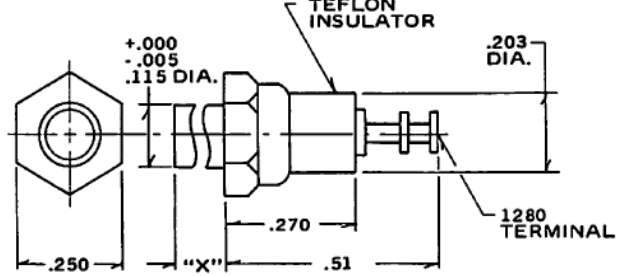
# Teflon



PART NO.	"T"	PART NO.	"T"
1471 A	2-56X3 FULL THDS	1471 B	4-40X3 FULL THDS

D.W.V. at Sea Level 3,200

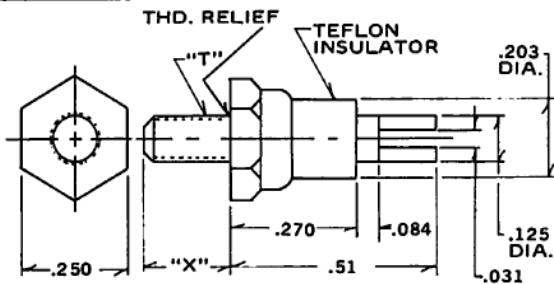
PART No. 1471



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1472 B	.105	.062	1472 C	.135	.094

D.W.V. at Sea Level 3,200

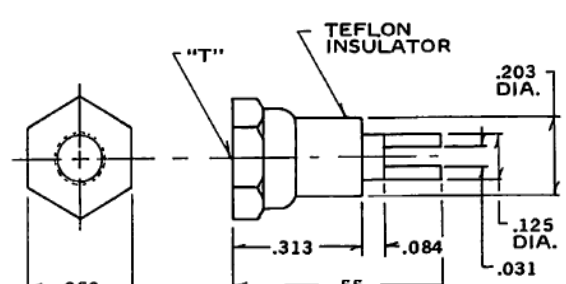
PART No. 1472



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1475 A	.188	6-32	1475 E	.188	4-40
1475 B	.250	6-32	1475 F	.250	4-40

D.W.V. at Sea Level 3,200

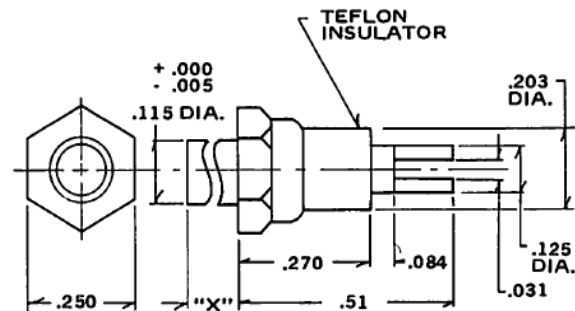
PART No. 1475



PART NO.	"T"	PART NO.	"T"
1476 A	2-56X3 FULL THDS	1476 B	4-40X3 FULL THDS

D.W.V. at Sea Level 3,200

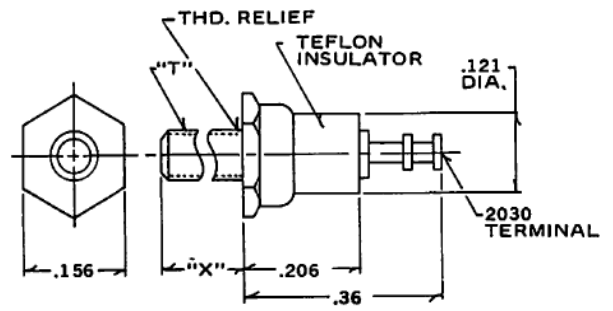
PART No. 1476



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1477 B	.105	.062	1477 C	.135	.094

D.W.V. at Sea Level 3,200

PART No. 1477



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1490 A	.125	2-56	1490 C	.125	4-40
1490 B	.218	2-56	1490 D	.218	4-40

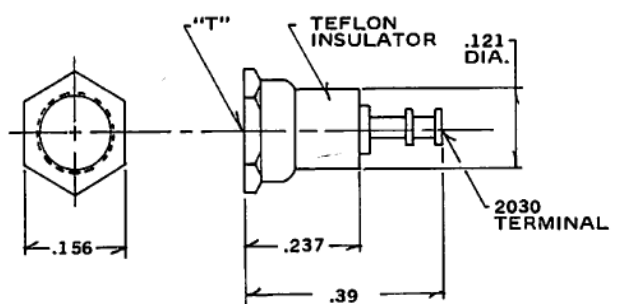
D.W.V. at Sea Level 2,400

PART No. 1490

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.135	3.43	.270	6.86
.031	.79	.156	3.96	.312	7.92
.062	1.57	.165	4.19	.313	7.95
.075	1.90	.188	4.77	.36	9.14
.084	2.13	.203	5.16	.375	9.52
.094	2.39	.206	5.23	.39	9.91
.105	2.67	.218	5.54	.51	12.95
.115	2.92	.237	6.02	.55	13.97
.121	3.07	.250	6.35		
.125	3.17				

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



PART NO.	"T"	PART NO.	"T"
1491	2-56X3 FULL THDS		

D.W.V. at Sea Level 2,300

PART No. 1491



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TERMINAL

BASE

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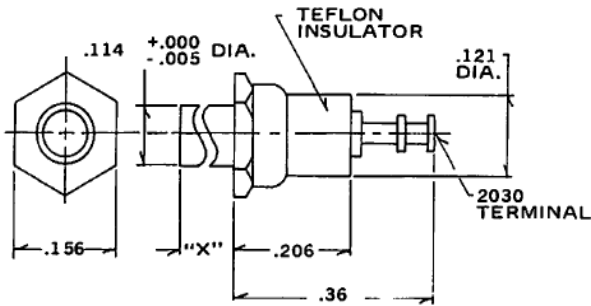
<https://www.AngicGlobal.com>

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PLATING

**Teflon**

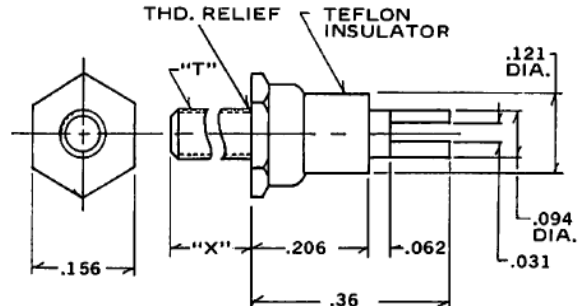
A



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1492 A	.054	.031	1492 D	.156	.125
1492 B	.094	.062			

D.W.V. at Sea Level 2,200

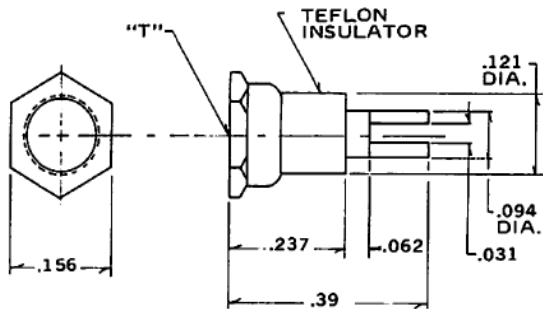
**PART No. 1492**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1495 A	.125	2-56	1495 C	.125	4-40
1495 B	.218	2-56	1495 D	.218	4-40

D.W.V. at Sea Level 2,300

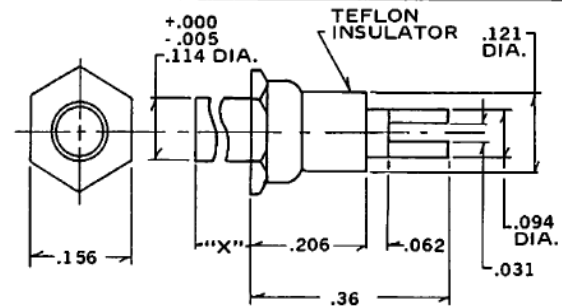
**PART No. 1495**



PART NO.	"T"	PART NO.	"T"
1496 A	2-56x3 FULL THDS		

D.W.V. at Sea Level 2,300

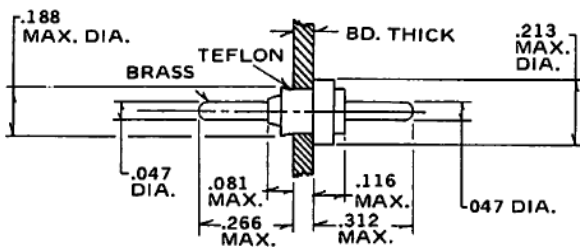
**PART No. 1496**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1497 A	.054	.031	1497 D	.156	.125
1497 B	.094	.062			

D.W.V. at Sea Level 2,400

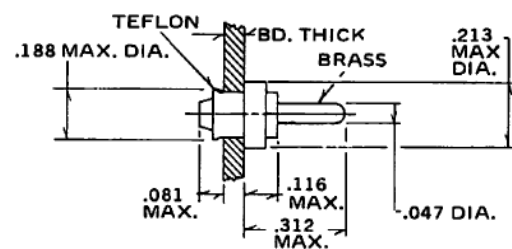
**PART No. 1497**



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4401 A			.031	+.003	
4401 B			.062	.142	
4401 C			.094	-.001 DIA.	4401

D.W.V. at Sea Level 2,000

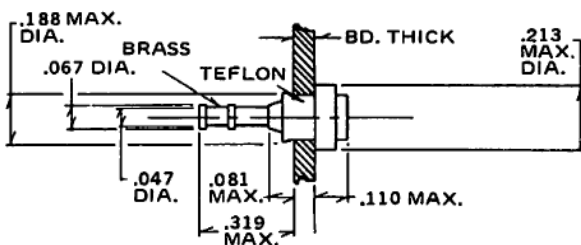
**PART No. 4401**



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4402 A			.031	+.003	
4402 B			.062	.142	4402
4402 C			.094	-.001	

D.W.V. at Sea Level 2,000

**PART No. 4402**



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4430 A			.031	+.003	
4430 B			.062	.142	4430
4430 C			.094	-.001	
4430 D			.125	DIA.	

D.W.V. at Sea Level 2,000

**PART No. 4430**

**METRIC CONVERSION CHART**

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.02	.094	2.39	.21	5.33
.003	.08	.114	2.89	.213	5.41
.005	.13	.116	2.95	.218	5.54
.031	.79	.121	3.07	.237	6.02
.047	1.19	.125	3.17	.266	6.76
.054	1.37	.142	3.61	.312	7.92
.062	1.57	.156	3.96	.319	8.10
.067	1.70	.188	4.77	.36	9.14
.081	2.06	.206	5.23		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON TO ALL PARTS

STANDARD PLATING:

TERMINAL -7

BASE -5



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T PART No.'s 44 TOLER

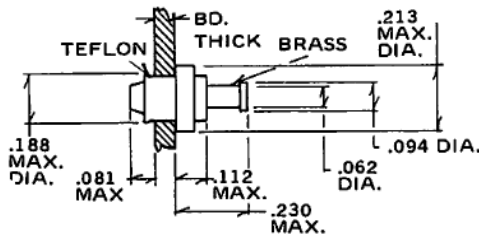
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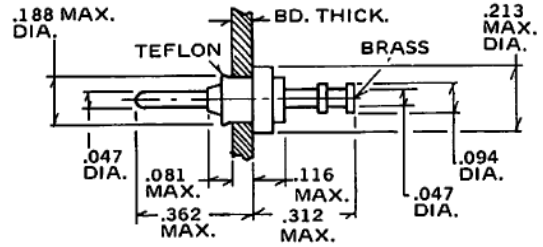
### Teflon



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4435 A			.031	+.003	4435
4435 B			.062	.142	
4435 C			.094	-.001 DIA	

D.W.V. at Sea Level 2,000

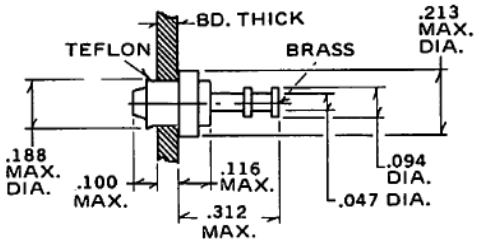
**PART No. 4435**



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4437 A			.031	+.003	4437
4437 B			.062	.142	
4437 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,000

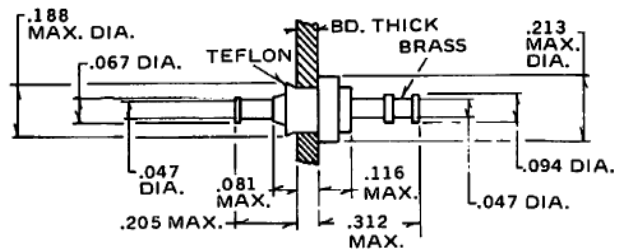
**PART No. 4437**



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4440 A			.031	+.003	4440
4440 B			.062	.142	
4440 C			.094	-.001 DIA.	
4440 D			.125		

D.W.V. at Sea Level 2,000

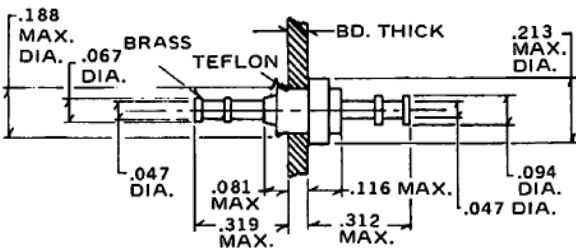
**PART No. 4440**



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4441 A			.031	+.003	4441
4441 B			.062	.142	
4441 C			.094	-.001 DIA.	
4441 D			.125		

D.W.V. at Sea Level 2,000

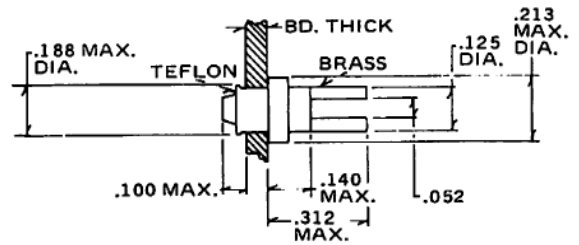
**PART No. 4441**



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4442 A			.031	+.003	4442
4442 B			.062	.142	
4442 C			.094	-.001 DIA.	
4442 D			.125		

D.W.V. at Sea Level 2,000

**PART No. 4442**



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4443 A			.031	+.003	4443
4443 B			.062	.142	
4443 C			.094	-.001 DIA.	
4443 D			.125		

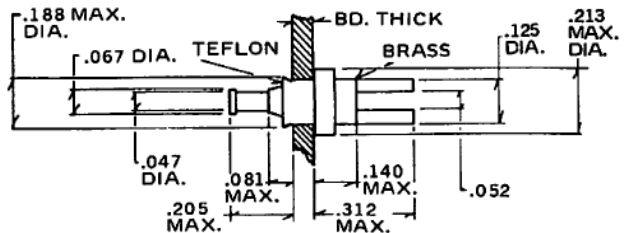
D.W.V. at Sea Level 2,000

**PART No. 4443**

#### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.001	.02	.125	3.17
.003	.08	.140	3.56
.031	.79	.142	3.61
.047	1.19	.188	4.77
.052	1.32	.205	5.21
.062	1.57	.213	5.41
.067	1.70	.230	5.84
.081	2.06	.312	7.92
.094	2.39	.319	8.18
.112	2.84	.362	9.19
.116	2.95		

Metric equivalents (nearest .01 mm) are given for general information only. 1 Inch = 25.4 mm.



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4444 A			.031	+.003	4444
4444 B			.062	.142	
4444 C			.094	-.001 DIA.	
4444 D			.125		

D.W.V. at Sea Level 2,000

**PART No. 4444**



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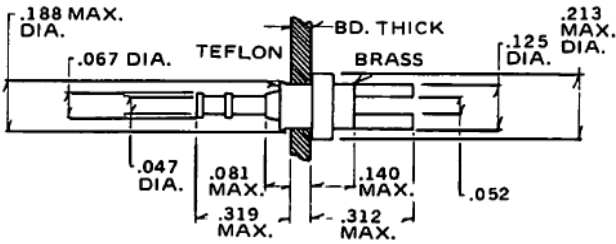
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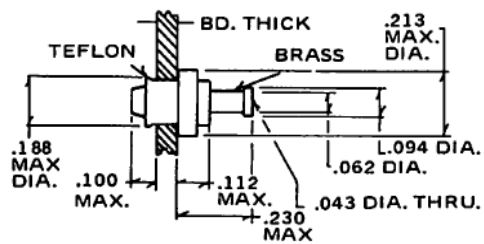


## Teflon



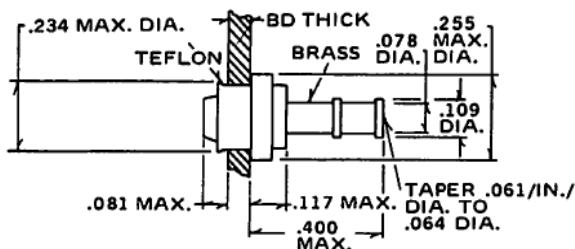
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4445 A			.031	+.003	4445
4445 B			.062	.142	
4445 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,000 PART No. 4445



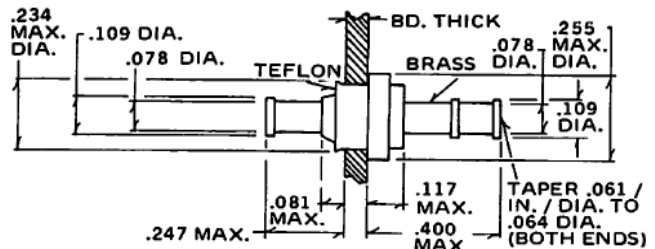
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4446 A			.031	+.003	4446
4446 B			.062	.142	
4446 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,200 PART No. 4446



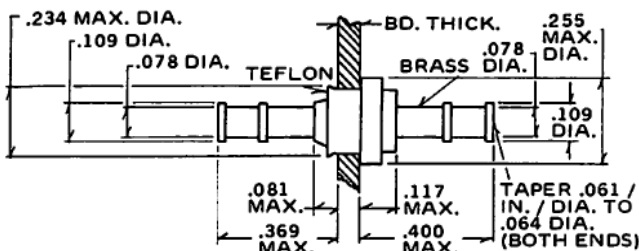
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4447 A			.031	+.003	4447
4447 B			.062	.188	
4447 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,300 PART No. 4447



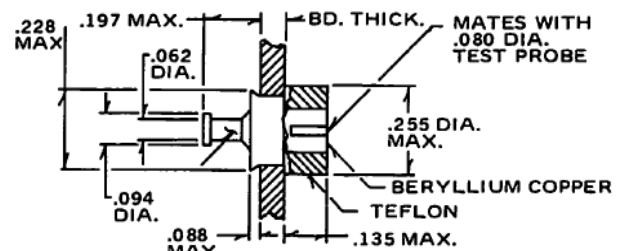
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4448 A			.031	+.003	4448
4448 B			.062	.188	
4448 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,300 PART No. 4448



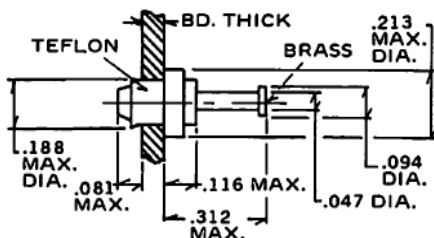
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4449 A			.031	+.003	4449
4449 B			.062	.188	
4449 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,300 PART No. 4449



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4451 C			.094	+.003	4451
4451 D			.125	.189	

D.W.V. at Sea Level 2,200 PART No. 4451



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4460 A			.031	+.003	4460
4460 B			.062	.142	
4460 C			.094	-.001 DIA.	

D.W.V. at Sea Level 2,000 PART No. 4460

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.02	.081	2.06	.197	5.00
.003	.08	.088	2.23	.213	5.41
.031	.79	.094	2.39	.228	5.79
.043	1.09	.109	2.77	.230	5.84
.047	1.19	.112	2.84	.234	5.94
.052	1.32	.116	2.95	.247	6.27
.061	1.55	.117	2.97	.255	6.48
.062	1.57	.125	3.17	.312	7.92
.064	1.62	.135	3.43	.319	8.18
.067	1.70	.140	3.56	.369	9.37
.078	1.98	.142	3.61	.40	10.16
.080	2.03	.188	4.77		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

STANDARD PLATING: TERMINAL



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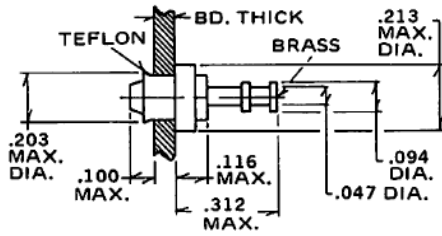
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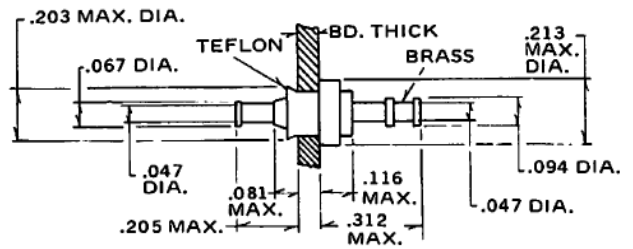
# Teflon



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4470 A			.031	+ .003	4470
4470 B			.062	.154	
4470 C			.094	-.001	
4470 D			.125	DIA.	

D.W.V. at Sea Level 2,700

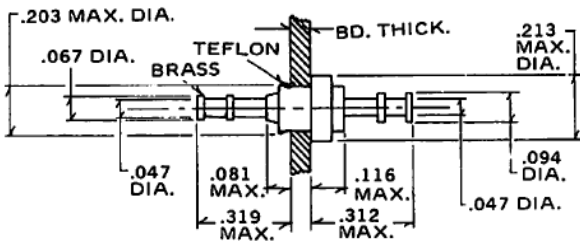
PART No. 4470



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4471 A			.031	+ .003	4471
4471 B			.062		
4471 C			.094		
4471 D			.125		

D.W.V. at Sea Level 2,700

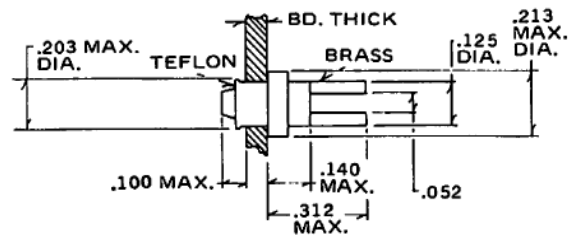
PART No. 4471



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4472 A			.031	+ .003	4472
4472 B			.062	.154	
4472 C			.094	-.001	
			DIA.		

D.W.V. at Sea Level 2,700

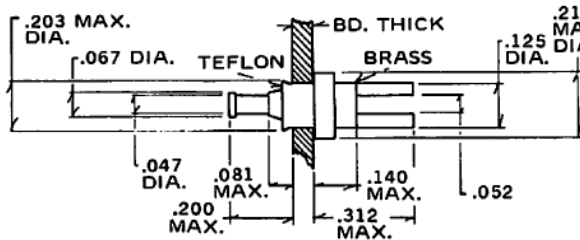
PART No. 4472



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4473 A			.031	+ .003	4473
4473 B			.062	.154	
4473 C			.094	-.001	
4473 D			.125	DIA.	

D.W.V. at Sea Level 2,700

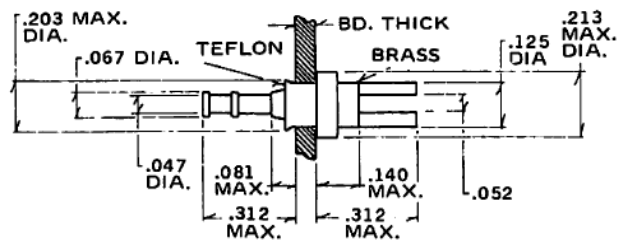
PART No. 4473



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4474 A			.031	+ .003	4474
4474 B			.062	.154	
4474 C			.094	-.001	
			DIA.		

D.W.V. at Sea Level 2,700

PART No. 4474



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4475 A			.031	+ .003	4475
4475 B			.062	.154	
4475 C			.094	-.001	
			DIA.		

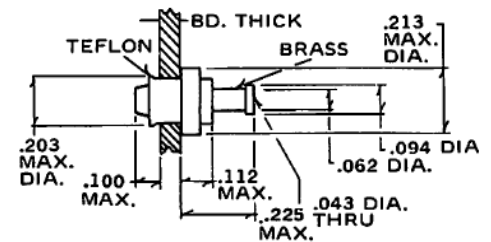
D.W.V. at Sea Level 2,700

PART No. 4475

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.001	.02	.116	2.95
.003	.08	.125	3.17
.031	.79	.140	3.56
.043	1.09	.154	3.91
.047	1.19	.203	5.15
.052	1.32	.205	5.21
.062	1.57	.213	5.41
.067	1.70	.230	5.84
.081	2.06	.312	7.92
.094	2.39	.319	8.18
.112	2.84		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4476 A			.031	+ .003	4476
4476 B			.062	.154	
4476 C			.094	-.001	

D.W.V. at Sea Level 2,700

PART No. 4476



Get quote >>

STANDARD PLATING: TERMINAL

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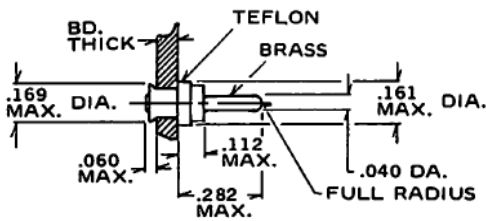
Angic Global Solutions

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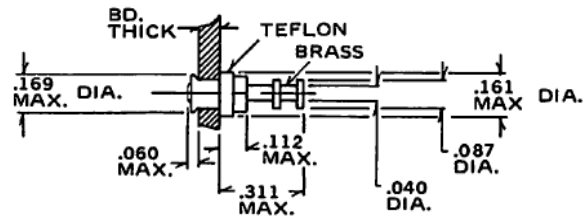
RE PLATING)

**Teflon**



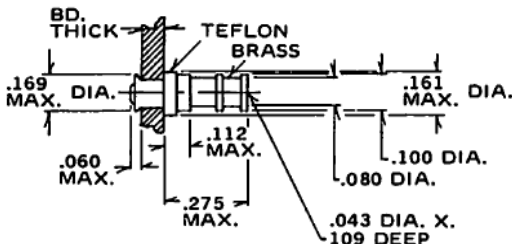
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4480 A			.031	+.003	4480
4480 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4480



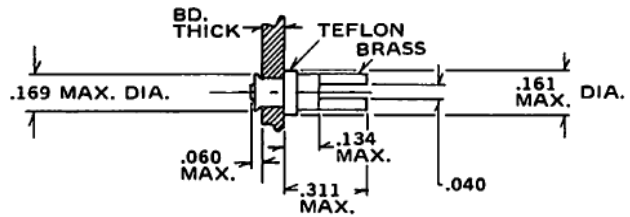
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4482 A			.031	+.003	4482
4482 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4482



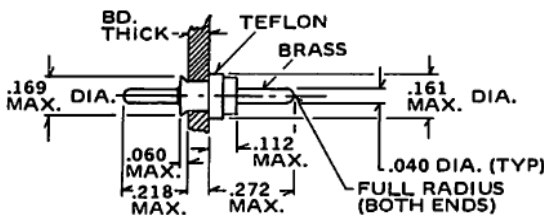
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4483 A			.031	+.003	4483
4483 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4483



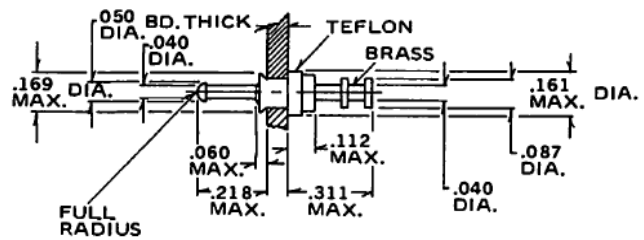
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4484 A			.031	+.003	4484
4484 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4484



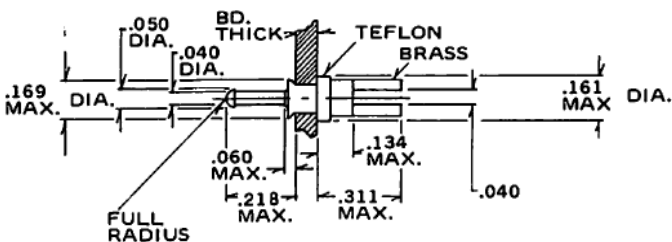
ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4485 A			.031	+.003	4485
4485 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4485



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4487 A			.031	+.003	4487
4487 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4487



ORDER BY PART NO	D NOM.	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4489 A			.031	+.003	4489
4489 B			.062	.126 -.001 DIA.	

D.W.V. at Sea Level 1,900 PART No. 4489

**METRIC CONVERSION CHART**

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.001	.02	.109	2.77
.003	.08	.112	2.84
.031	.79	.126	3.20
.040	1.01	.134	3.40
.043	1.09	.161	4.09
.050	1.27	.169	4.29
.060	1.52	.218	5.54
.062	1.57	.272	6.91
.080	2.03	.275	6.98
.087	2.21	.282	7.16
.100	2.54	.311	7.90

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON TO ALL

STANDARD PLATING: TERMINAL

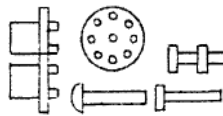


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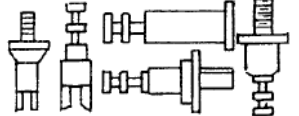
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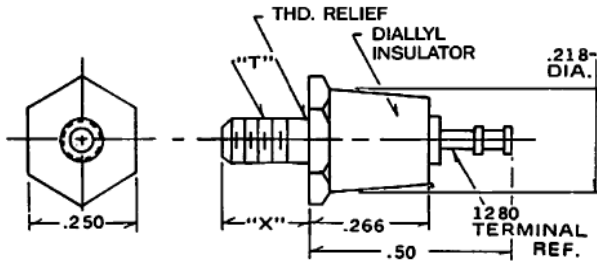
TOLERANCE: <https://www.AngicGlobal.com> Sales@AngicGlobal.com



# Insulated Terminals



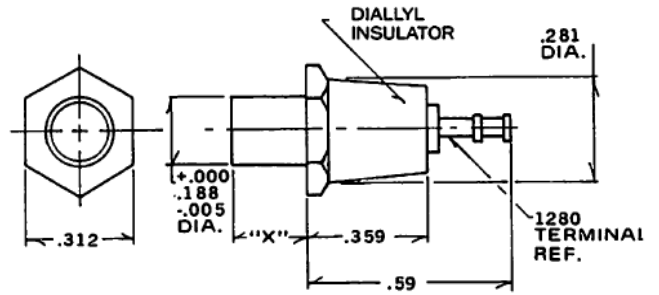
## Molded



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1409 A	.188	6-32	1409 E	.188	4-40
1409 B	.250	6-32	1409 F	.250	4-40
1409 C	.312	6-32			
1409 D	.375	6-32			

D.W.V. at Sea Level 6,800

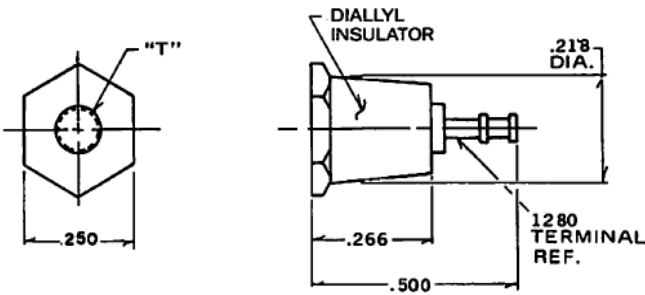
PART No. 1409



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1410 A	.054	.031	1410 D	.156	.125

D.W.V. at Sea Level 7,500

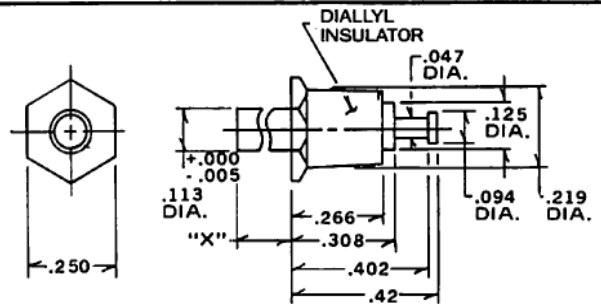
PART No. 1410



PART NO.	"T"	PART NO.	"T"
1411 A	6-32X3 FULL THDS	1411 B	4-40X3 FULL THDS

D.W.V. at Sea Level 6,800

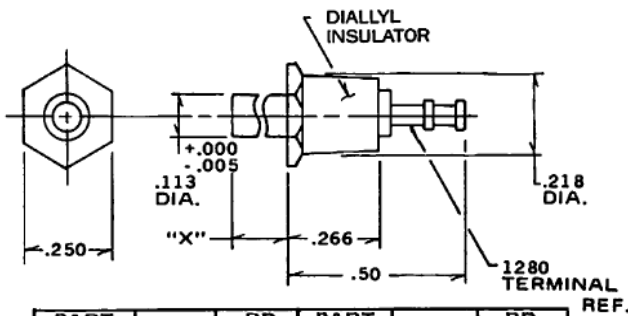
PART No. 1411



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1412 A	.075	.031	1412 C	.135	.094
1412 B	.105	.062	1412 D	.165	.125

D.W.V. at Sea Level 6,800

PART No. 1412



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1413 A	.075	.031	1413 C	.135	.094
1413 B	.105	.062	1413 D	.165	.125

D.W.V. at Sea Level 6,800

PART No. 1413

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.125	3.17	.281	7.14
.031	.79	.135	3.43	.308	7.82
.047	1.19	.156	3.96	.312	7.92
.054	1.37	.165	4.19	.359	9.12
.062	1.57	.188	4.77	.375	9.52
.075	1.90	.218	5.54	.402	10.21
.094	2.39	.219	5.56	.42	10.67
.105	2.67	.250	6.35	.50	12.7
.113	2.87	.266	6.76	.59	14.99

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 1410, 1412 AND 1413 - 5

STANDARD PLATING: TERMINAL BASE



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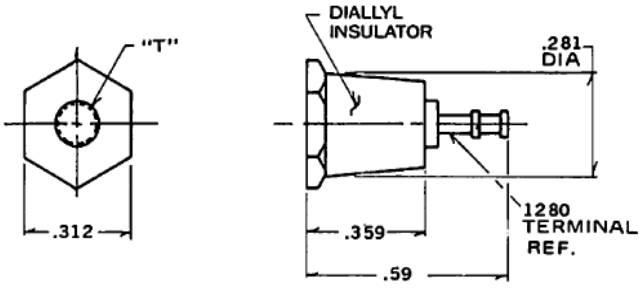
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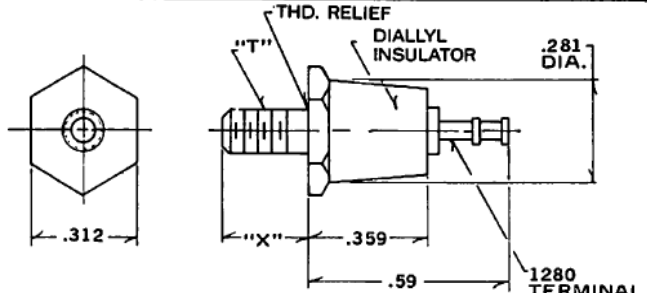
<https://www.AngicGlobal.com> Sales@AngicGlobal.com (RE PLATING)

## Molded



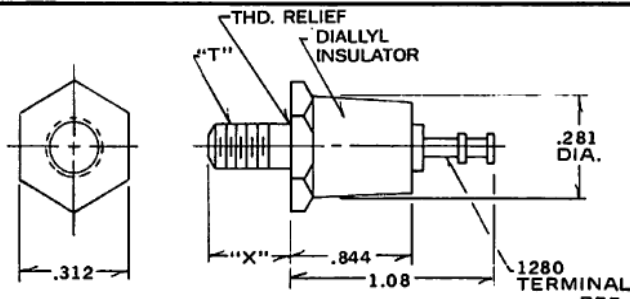
PART NO.	"T"	PART NO.	"T"
1417	6-32X3 FULL THDS	1417 A	4-40X3 FULL THDS

D.W.V. at Sea Level 7,500 PART No. 1417



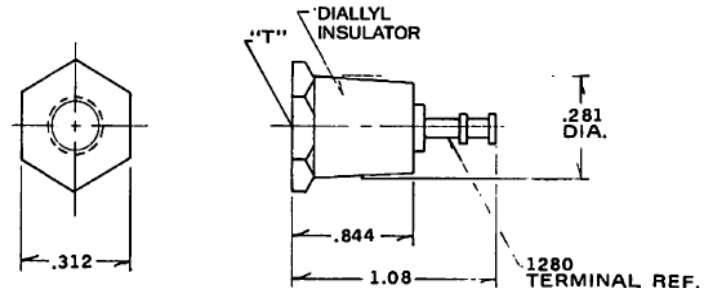
PART NO.	"X"	"T"	PART NO.	"X"	"T"
1418 A	.188	6-32	1418 E	.188	4-40
1418 B	.250	6-32	1418 H	.375	4-40
1418 C	.312	6-32			
1418 D	.375	6-32			

D.W.V. at Sea Level 7,500 PART No. 1418



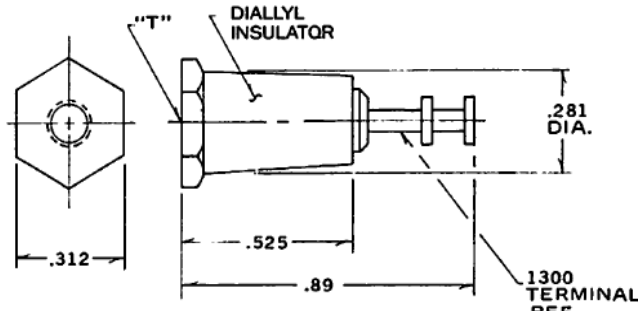
PART NO.	"X"	"T"	PART NO.	"X"	"T"
1421 A	.188	6-32	1421 E	.188	4-40
1421 B	.250	6-32	1421 H	.375	4-40
1421 C	.312	6-32			
1421 D	.375	6-32			

D.W.V. at Sea Level 8,400 PART No. 1421



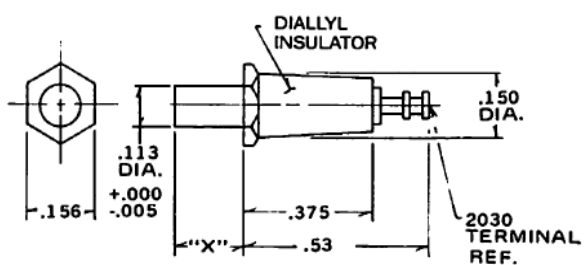
PART NO.	"T"	PART NO.	"T"
1422	6-32X3 FULL THDS		
1422 A	4-40X3 FULL THDS		

D.W.V. at Sea Level 8,400 PART No. 1422



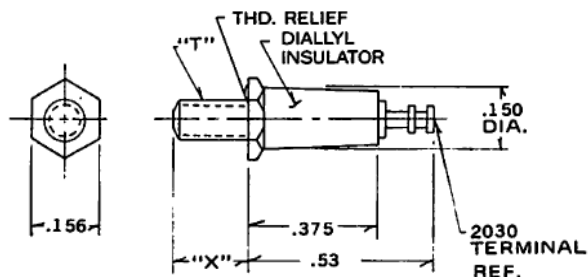
PART NO.	"T"	PART NO.	"T"
1423	6-32X3 FULL THDS		
1423 A	4-40X3 FULL THDS		

D.W.V. at Sea Level 8,000 PART No. 1423



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1424 B	.105	.062	1424 C	.135	.094
			1424 D	.165	.125

D.W.V. at Sea Level 6,800 PART No. 1424



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1425 A	.125	2-56			
1425 B	.218	2-56			

D.W.V. at Sea Level 6,800 PART No. 1425

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.250	6.35
.062	1.57	.281	7.14
.094	2.39	.312	7.92
.105	2.67	.359	9.12
.113	2.87	.375	9.52
.125	3.17	.525	13.33
.135	3.43	.53	13.46
.150	3.81	.59	14.99
.156	3.96	.844	21.44
.165	4.19	.89	22.61
.188	4.77	1.08	27.43
.218	5.54		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 1424 -5  
 STANDARD PLATING: TERMINAL BASE



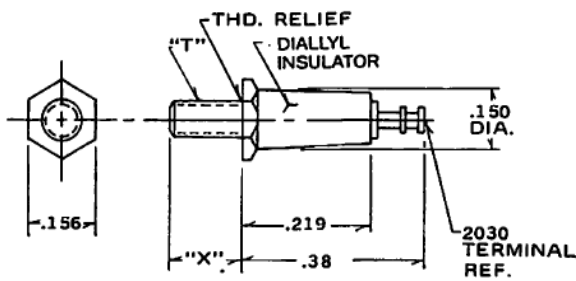
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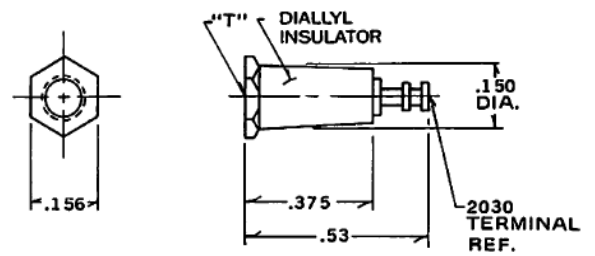
**Molded**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1426 A	.125	2-56	1426 B	.218	2-56

D.W.V. at Sea Level 6,000

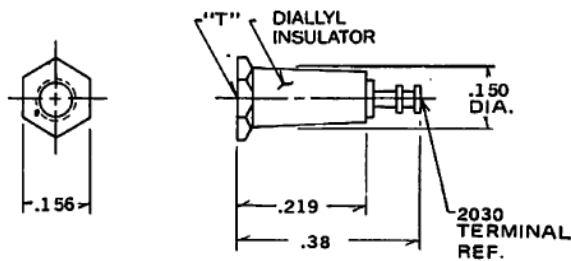
**PART No. 1426**



PART NO.	"T"	PART NO.	"T"
1427	2-56X.05 DEEP		

D.W.V. at Sea Level 7,000

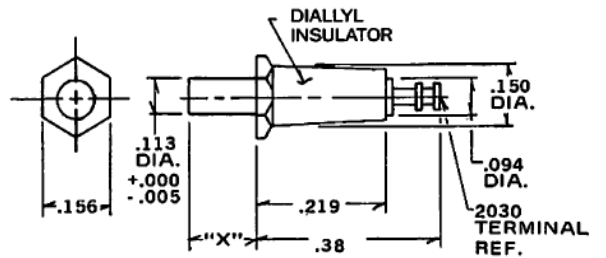
**PART No. 1427**



PART NO.	"T"	PART NO.	"T"
1428	2-56X.05 DEEP		

D.W.V. at Sea Level 3,900

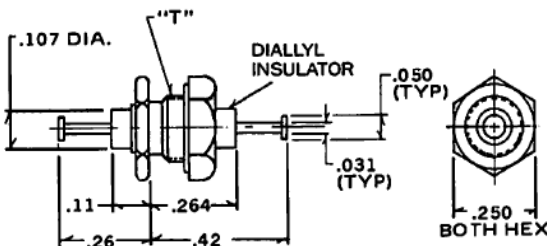
**PART No. 1428**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1429 B	.105	.062	1429 C	.135	.094
			1429 D	.165	.125

D.W.V. at Sea Level 4,500

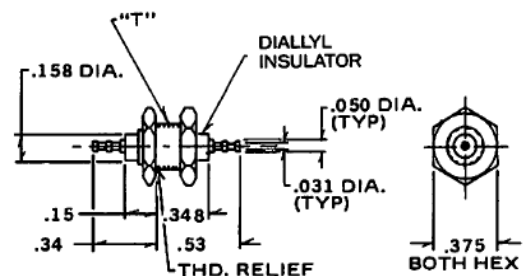
**PART No. 1429**



PART NO.	"T"	INSUL.	BD THICK	MTG. DIA.
1430	10-32	Diallyl Phthalate	.094	.195 +.003 -.001

D.W.V. at Sea Level 1,500

**PART No. 1430**



PART NO.	"T"	INSUL.	BD THICK	MTG. DIA.
1433	1/4-28	Diallyl Phthalate	.125	.257 +.003 -.001

D.W.V. at Sea Level 2,900

**PART No. 1433**

**METRIC CONVERSION CHART**

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.135	3.43	.312	7.92
.031	.79	.150	3.81	.34	8.64
.050	1.27	.156	3.96	.348	8.84
.062	1.57	.158	4.01	.375	9.52
.094	2.39	.165	4.19	.38	9.65
.105	2.67	.188	4.77	.42	10.67
.107	2.72	.219	5.56	.53	13.46
.11	2.79	.250	6.35	.62	15.75
.113	2.87	.26	6.60		
.125	3.17	.264	6.70		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 1429 -5

STANDARD PLATING:

TERMINAL -7

BASE -12



SPECIFICATIONS COMMON THIS PAGE

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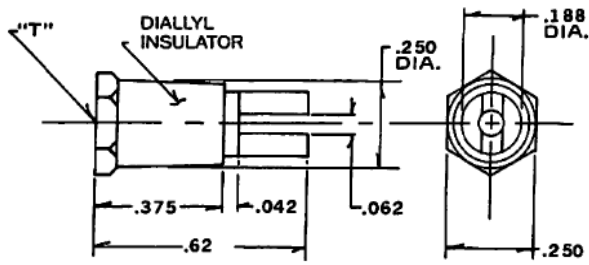
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PLATING)



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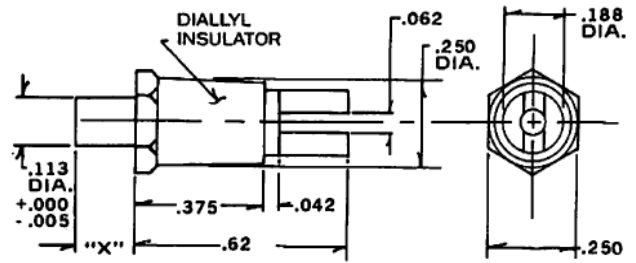
**A**



PART NO.	"T"	PART NO.	"T"
1601 A	6-32X3 FULL THD	1601 B	4-40X3 FULL THD

D.W.V. at Sea Level 6,900

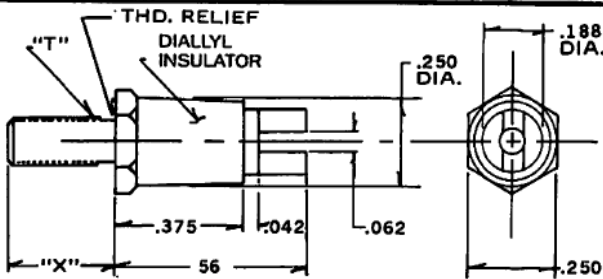
**PART No. 1601**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1602 A	.075	.031	1602 C	.135	.094
1602 B	.105	.062	1602 D	.165	.125

D.W.V. at Sea Level 6,900

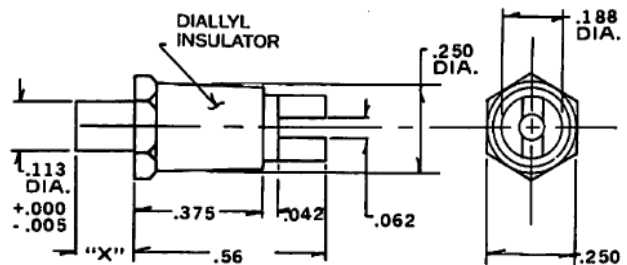
**PART No. 1602**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1603 A	.188	6-32	1603 E	.188	4-40
1603 B	.250	6-32	1603 F	.250	4-40
1603 C	.312	6-32			
1603 D	.375	6-32			

D.W.V. at Sea Level 6,900

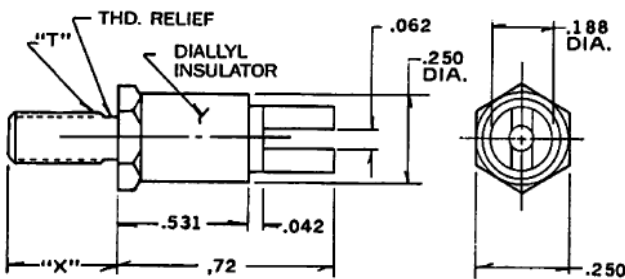
**PART No. 1603**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1605 A	.075	.031	1605 C	.135	.094
1605 B	.105	.062	1605 D	.165	.125

D.W.V. at Sea Level 6,900

**PART No. 1605**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1609 A	.188	6-32	1609 E	.188	4-40
1609 B	.250	6-32	1609 F	.250	4-40
1609 C	.312	6-32			
1609 D	.375	6-32			

D.W.V. at Sea Level 8,000

**PART No. 1609**

**METRIC CONVERSION CHART**

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.165	4.19
.031	.79	.188	4.77
.042	1.07	.250	6.35
.062	1.57	.312	7.92
.075	1.90	.375	9.52
.094	2.39	.531	13.49
.105	2.67	.56	14.22
.113	2.87	.62	15.75
.125	3.17	.72	18.29
.135	3.43		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 1602, 1605 - 5

STANDARD

PLATING: TERMINAL BASE

TOLERANCE



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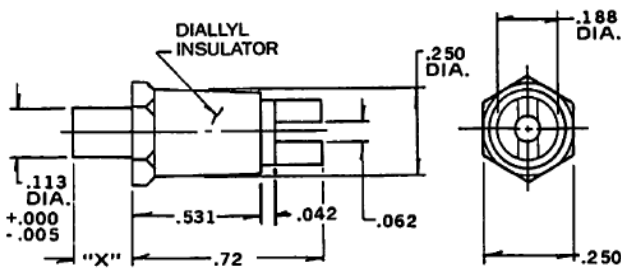
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3)

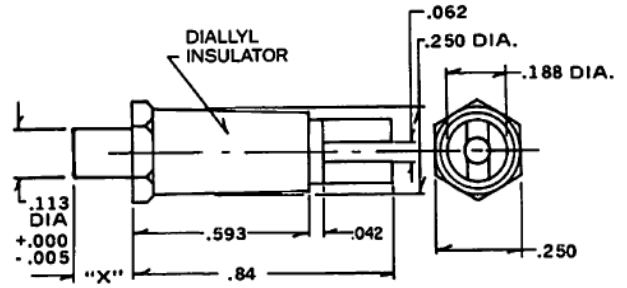
## Molded



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1611 A	.075	.031	1611 C	.135	.094
1611 B	.105	.062	1611 D	.165	.125

D.W.V. at Sea Level 8,000

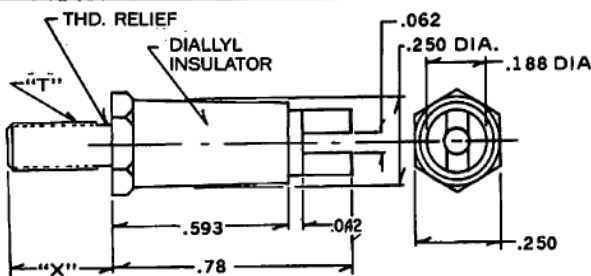
PART No. 1611



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1614 A	.075	.031	1614 C	.135	.094
1614 B	.105	.062	1614 D	.165	.125

D.W.V. at Sea Level 8,400

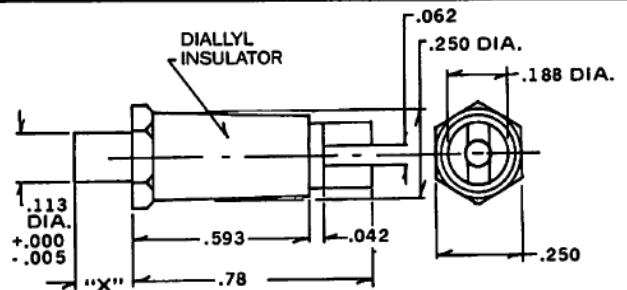
PART No. 1614



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1615 A	.188	6-32	1615 E	.188	4-40
1615 B	.250	6-32	1615 F	.250	4-40
1615 C	.312	6-32			
1615 D	.375	6-32			

D.W.V. at Sea Level 8,400

PART No. 1615



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1617 A	.075	.031	1617 C	.135	.094
1617 B	.105	.062	1617 D	.165	.125

D.W.V. at Sea Level 8,400

PART No. 1617

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.165	4.19
.031	.79	.188	4.77
.042	1.07	.250	6.35
.062	1.57	.312	7.92
.075	1.90	.375	9.52
.094	2.39	.531	13.49
.105	2.67	.593	15.06
.113	2.87	.72	18.29
.125	3.17	.78	19.81
.135	3.43	.84	21.34

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 1611, 1614 AND 1617 -5

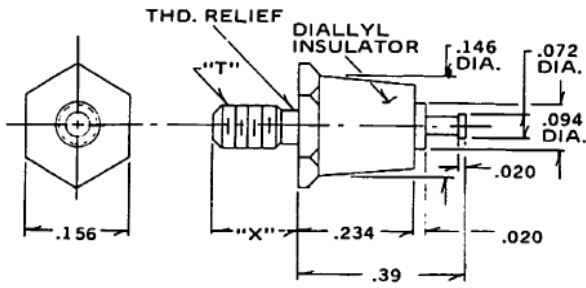
STANDARD PLATING:

TERMINAL -7

BASE -12

## Molded

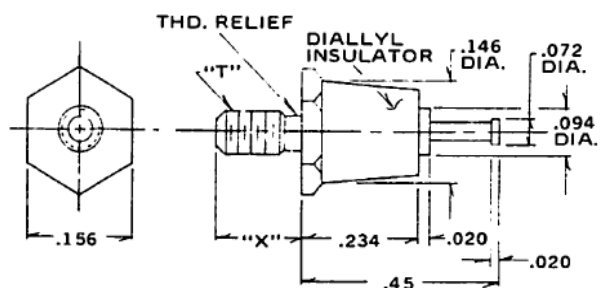
A



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1620 A	.125	2-56			
1620 B	.188	2-56			
1620 C	.250	2-56			

D.W.V. at Sea Level 5,100

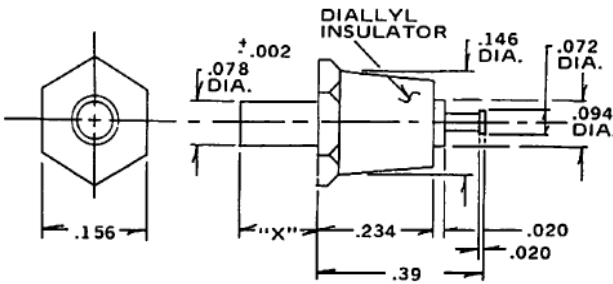
**PART No. 1620**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
1621 A	.125	2-56			
1621 B	.188	2-56			
1621 C	.250	2-56			

D.W.V. at Sea Level 5,100

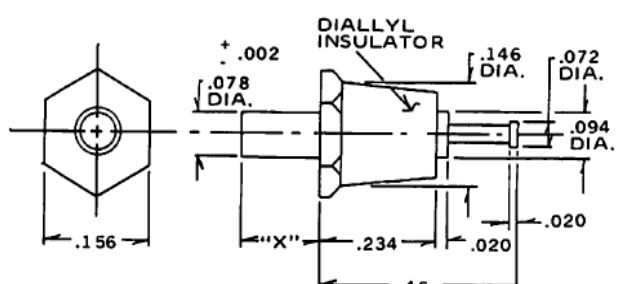
**PART No. 1621**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1622 B	.094	.062			
1622 C	.125	.094			

D.W.V. at Sea Level 5,100

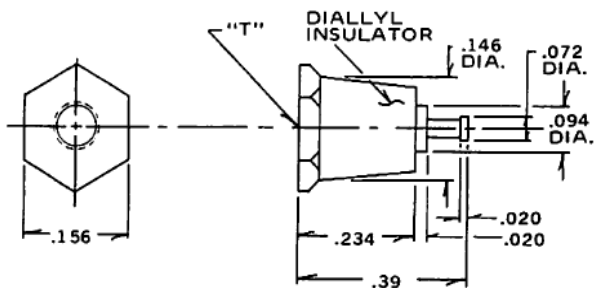
**PART No. 1622**



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1623 B	.094	.062			
1623 C	.125	.094			

D.W.V. at Sea Level 5,100

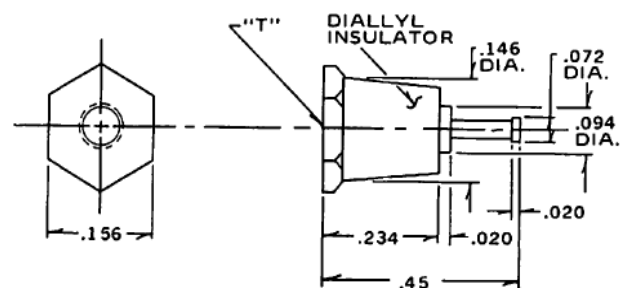
**PART No. 1623**



PART NO.	"T"	PART NO.	"T"
1624	2-56X.07 DEEP		

D.W.V. at Sea Level 5,100

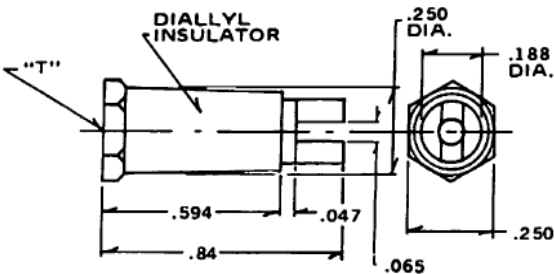
**PART No. 1624**



PART NO.	"T"	PART NO.	"T"
1625	2-56X.07 DEEP		

D.W.V. at Sea Level 5,100

**PART No. 1625**



PART NO.	"T"	PART NO.	"T"
750	4-40X.21 DEEP	750A	6-32X.21 DEEP

D.W.V. at Sea Level 8,400

**PART No. 750**

### METRIC CONVERSION CHART

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.002	.051	.146	3.71
.040	1.02	.156	3.96
.042	1.07	.188	4.77
.046	1.17	.21	5.33
.062	1.57	.234	5.94
.07	1.79	.250	6.35
.072	1.83	.39	9.91
.078	1.98	.45	11.43
.094	2.39	.594	15.09
.125	3.17	.84	21.33

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

\*INSULATOR MATERIAL SHOWN IS STANDARD. FOR ALTERNATE MATERIAL CON

SPECIFICATIONS COMMON GE

BASE PLATING FOR 1622, 1623 - b  
STANDARD PLATING:

TERMINAL

BASE

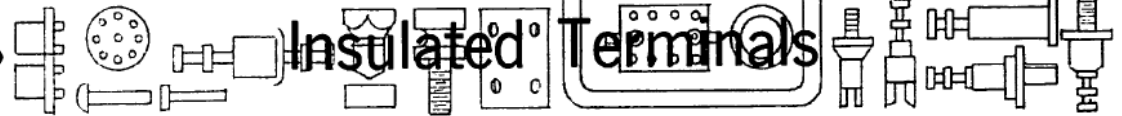
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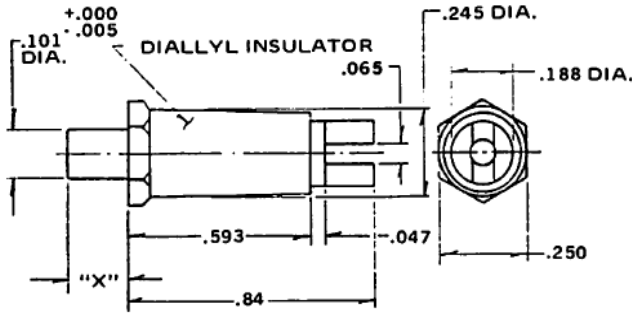
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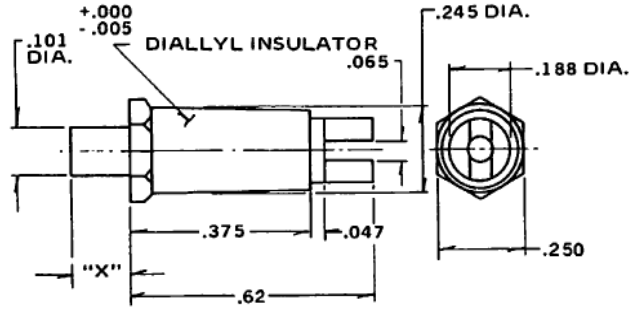
**Molded**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
751 A	.094				
751 B	.125				

D.W.V. at Sea Level 8,400

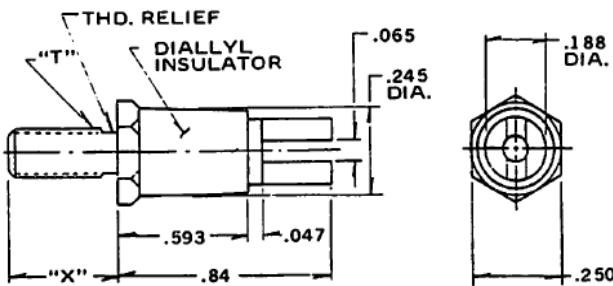
**PART No. 751**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
752 A	.094				
752 B	.125				

D.W.V. at Sea Level 6,900

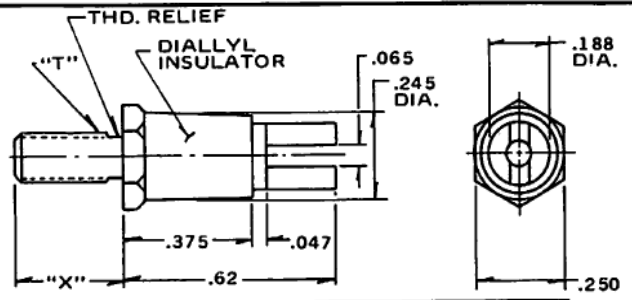
**PART No. 752**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
754	.218	4-40	754 D	.375	6-32
754 A	.188	6-32	754 E	.188	4-40
754 B	.250	6-32	754 F	.250	4-40
754 C	.312	6-32			

D.W.V. at Sea Level 8,400

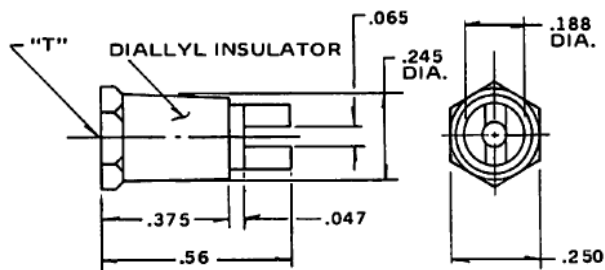
**PART No. 754**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
755	.218	4-40	755 D	.375	6-32
755 A	.188	6-32	755 E	.188	4-40
755 B	.250	6-32	755 F	.250	4-40
755 C	.312	6-32	755 G	.218	6-32

D.W.V. at Sea Level 6,900

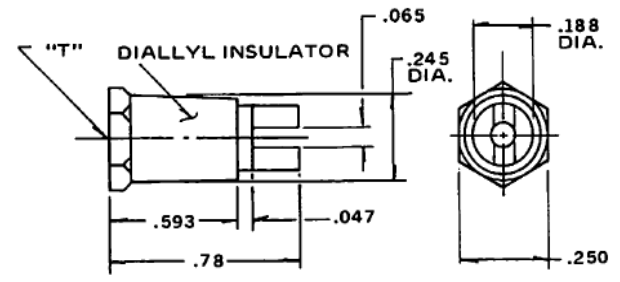
**PART No. 755**



PART NO.	"T"	PART NO.	"T"
756	4-40X.15 DEEP	756A	6-32X.15 DEEP

D.W.V. at Sea Level 6,900

**PART No. 756**



PART NO.	"T"	PART NO.	"T"
757	4-40X.21 DEEP	757A	6-32X.21 DEEP

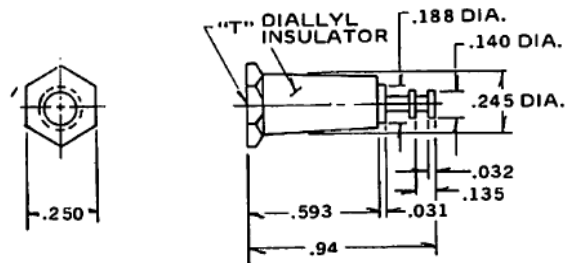
D.W.V. at Sea Level 8,400

**PART No. 757**

**METRIC CONVERSION CHART**

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.250	6.35
.047	1.19	.312	7.92
.050	1.27	.375	9.52
.080	2.03	.531	13.49
.094	2.39	.56	14.22
.101	2.56	.59	14.99
.125	3.17	.593	15.06
.150	3.81	.62	15.75
.188	4.77	.72	18.29
.21	5.33	.78	19.81
.218	5.54	.84	21.34
.245	6.22		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



PART NO.	"T"	PART NO.	"T"
760	4-40X .21 DEEP	760A	6-32X.21 DEEP

D.W.V. at Sea Level 8,400

**PART No. 760**

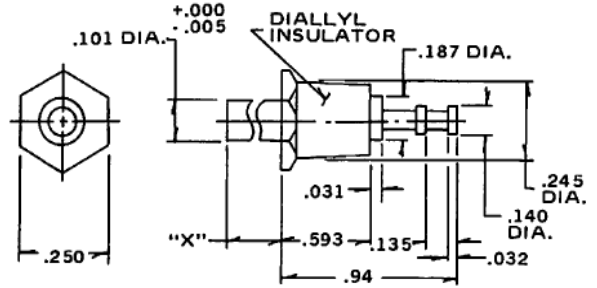
BASE PLATING FOR 751, 752 - 5

STANDARD PLATING: TERMINAL BASE



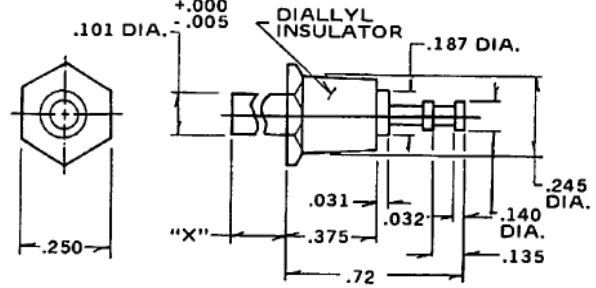
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A



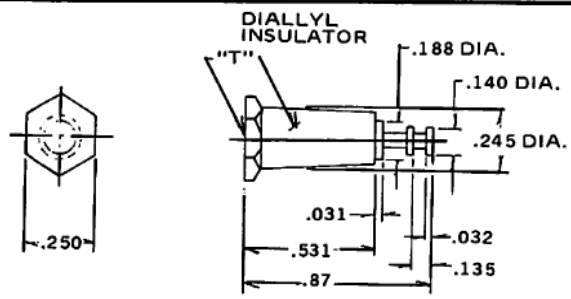
PART NO.	"X"	"T"	PART NO.	"X"	"T"
761 A	.094				
761 B	.125				

D.W.V. at Sea Level 8,400 PART No. 761



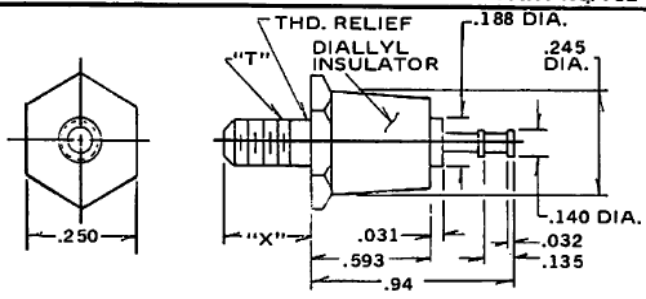
PART NO.	"X"	"T"	PART NO.	"X"	"T"
762 A	.094				
762 B	.125				

D.W.V. at Sea Level 6,900 PART No. 762



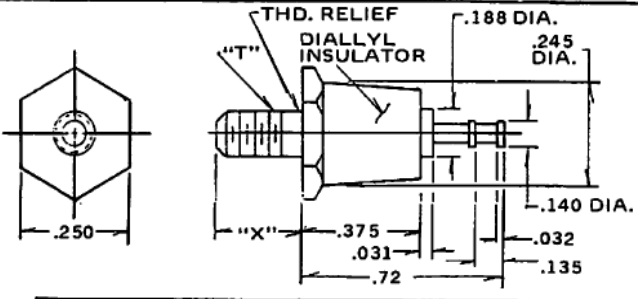
PART NO.	"T"	PART NO.	"T"
763	4-40X.21 DEEP	763A	6-32X.21 DEEP

D.W.V. at Sea Level 8,000 PART No. 763



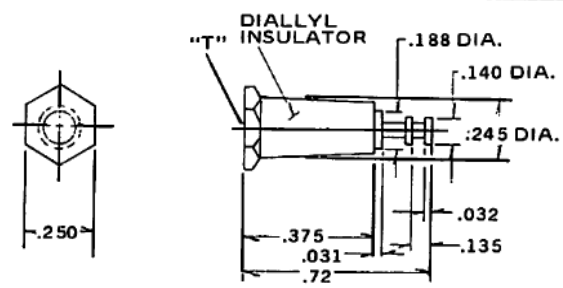
PART NO.	"X"	"T"	PART NO.	"X"	"T"
764	.218	4-40	764 D	.375	6-32
764 A	.188	6-32	764 E	.188	4-40
764 B	.250	6-32	764 F	.250	4-40
764 C	.312	6-32			

D.W.V. at Sea Level 8,400 PART No. 764



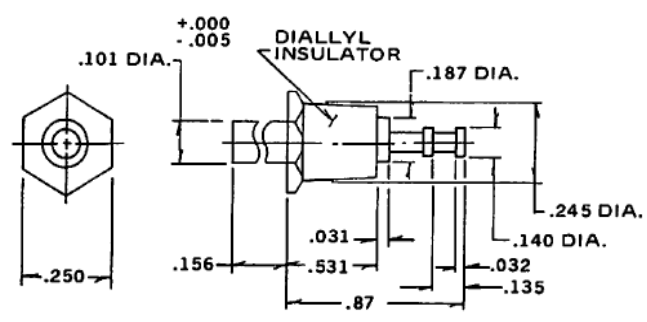
PART NO.	"X"	"T"	PART NO.	"X"	"T"
765	.218	4-40	765 D	.375	6-32
765 A	.188	6-32	765 E	.188	4-40
765 B	.250	6-32	765 F	.250	4-40
765 C	.312	6-32			

D.W.V. at Sea Level 6,900 PART No. 765



PART NO.	"T"	PART NO.	"T"
766	4-40x.15 Deep	766 A	6-32X.15 DEEP

D.W.V. at Sea Level 6,900 PART No. 766



D.W.V. at Sea Level 8,000 PART No. 767

**METRIC CONVERSION CHART**

DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.005	.13	.218	5.54
.031	.79	.245	6.22
.032	.81	.250	6.35
.094	2.39	.312	7.92
.101	2.56	.375	9.52
.125	3.17	.531	13.49
.135	3.43	.593	15.06
.140	3.56	.72	18.29
.187	4.75	.87	22.10
.188	4.77	.94	23.88
.21	5.33		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

BASE PLATING FOR 761, 762 AND 767 - 5

STANDARD PLATING: TERMINAL BASE



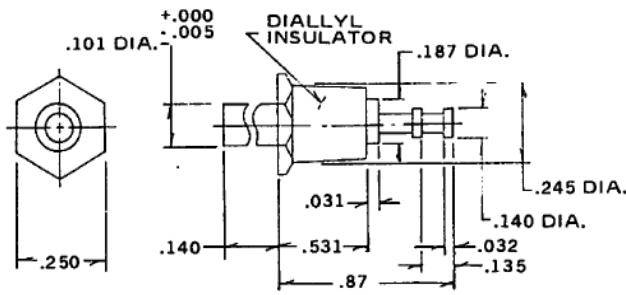
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 TOLERANCE <https://www.AngicGlobal.com> [Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)

SPECIFICATIONS COMMON TO ALL ANGIC TERMINALS

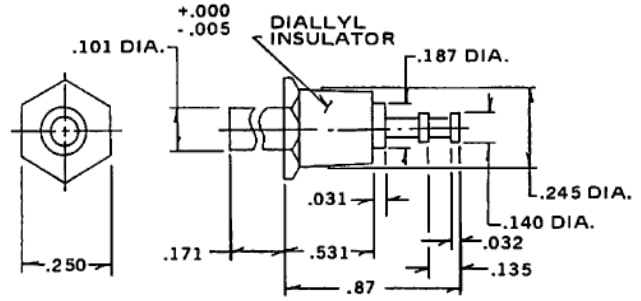


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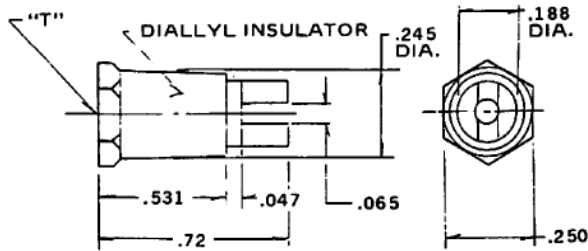
D.W.V. at Sea Level 8,000

PART No. 768



D.W.V. at Sea Level 8,000

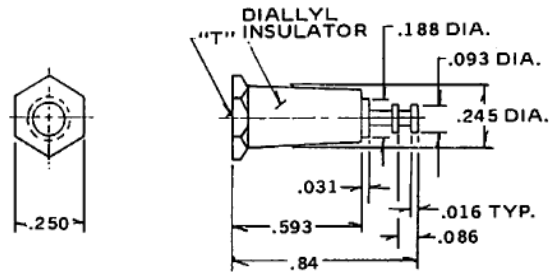
PART No. 769



D.W.V. at Sea Level 8,000

PART No. 773

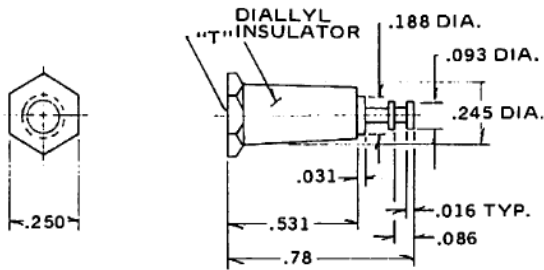
PART NO.	"T"	PART NO.	"T"
773	6-32X.21 DEEP	773 A	4-40X.21 DEEP



D.W.V. at Sea Level 8,400

PART No. 780

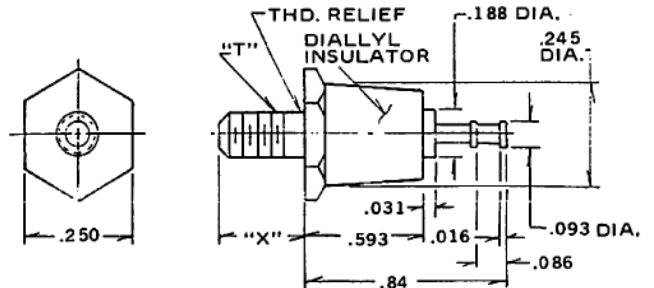
PART NO.	"T"	PART NO.	"T"
780	6-32X.21 DEEP	780 A	4-40X.21 DEEP



D.W.V. at Sea Level 8,000

PART No. 783

PART NO.	"T"	PART NO.	"T"
783	6-32X.21 DEEP	783 A	4-40X.21 DEEP



D.W.V. at Sea Level 8,400

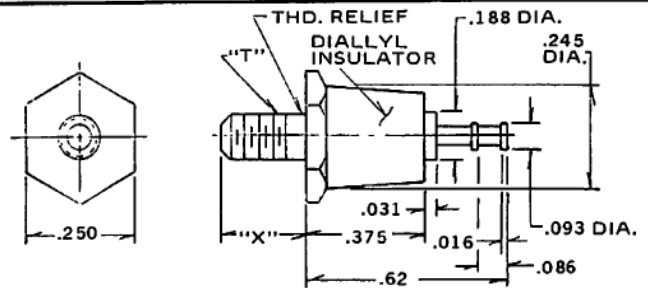
PART No. 784

PART NO.	"X"	"T"	PART NO.	"X"	"T"
784	.218	6-32	784 D	.375	6-32
784 A	.188	6-32	784 E	.188	4-40
784 B	.250	6-32	784 F	.250	4-40
784 C	.312	6-32			

METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.140	3.56	.312	7.92
.010	.25	.15	3.81	.375	9.52
.016	.41	.156	3.96	.53	13.46
.031	.79	.171	4.34	.531	13.49
.032	.81	.187	4.75	.56	14.22
.047	1.19	.188	4.77	.593	15.06
.050	1.27	.21	5.33	.62	15.75
.080	2.03	.218	5.54	.72	18.29
.101	2.56	.245	6.22	.78	19.81
.135	3.43	.250	6.35	.87	22.10

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



D.W.V. at Sea Level 6,900

PART No. 785

PART NO.	"X"	"T"	PART NO.	"X"	"T"
785	.218	6-32	785 D	.375	6-32
785 A	.188	6-32	785 E	.188	4-40
785 B	.250	6-32	785 F	.250	4-40
785 C	.312	6-32			

BASE PLATING FOR 768, 769 - 5

STANDARD PLATING:

TERMINAL

BASE



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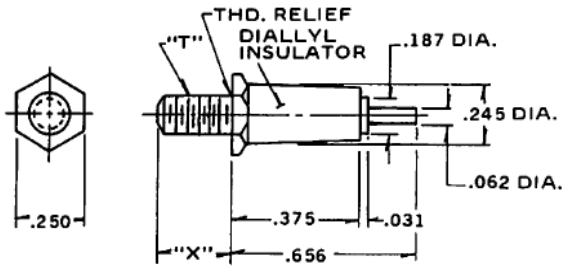
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# Insulated Terminals

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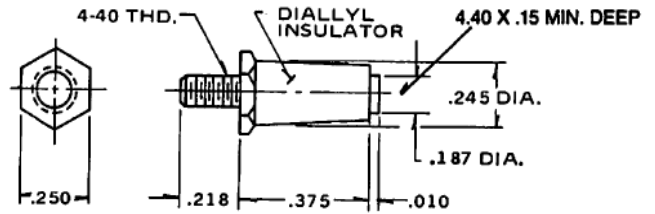
A



PART NO.	"X"	"T"	PART NO.	"X"	"T"
786 A	.188	6-32	786 E	.188	4-40
786 B	.250	6-32	786 F	.250	4-40
786 C	.312	6-32			
786 D	.375	6-32			

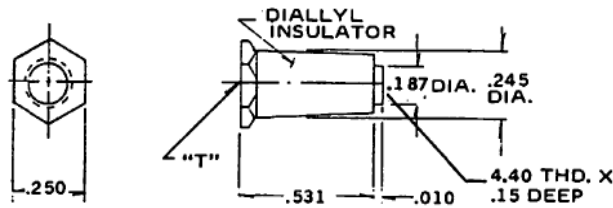
D.W.V. at Sea Level 6,900

**PART No. 786**



D.W.V. at Sea Level 6,900

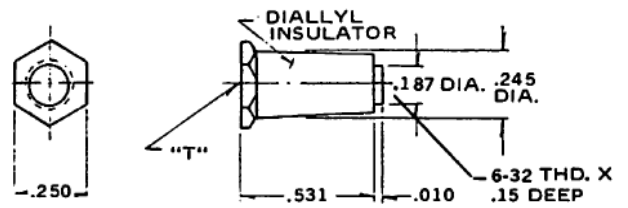
**PART No. 850**



PART NO.	"T"	PART NO.	"T"
853	4-40X.15 DEEP	853 A	6-32X.15 DEEP

D.W.V. at Sea Level 8,000

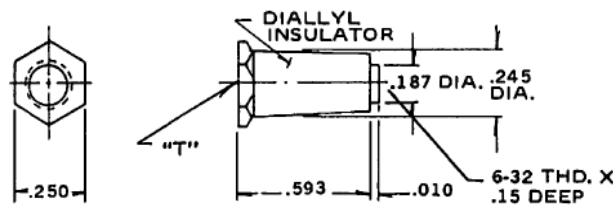
**PART No. 853**



PART NO.	"T"	PART NO.	"T"
860	6-32X.15 DEEP	860 A	4-40X.15 DEEP

D.W.V. at Sea Level 8,000

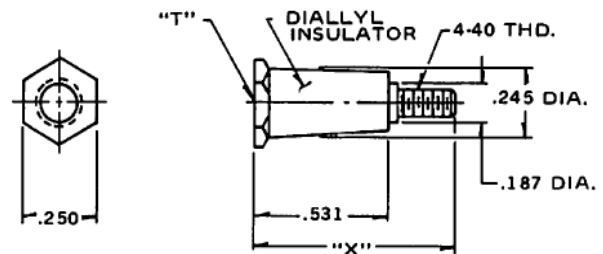
**PART No. 860**



PART NO.	"T"	PART NO.	"T"
861	6-32X.15 DEEP	861 A	4-40X.15 DEEP

D.W.V. at Sea Level 8,400

**PART No. 861**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
863 A	.78	4-40X.21	863 C	.78	6-32X.21

D.W.V. at Sea Level 8,000

**PART No. 863**

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.010	.25	.187	4.75	.531	13.49
.016	.41	.188	4.77	.593	15.06
.031	.79	.193	4.90	.62	15.75
.032	.81	.21	5.33	.656	16.66
.062	1.57	.218	5.54	.78	19.81
.086	2.18	.245	6.22	.84	21.34
.093	2.36	.250	6.35	.94	23.88
.135	3.43	.312	7.92		
.140	3.56	.375	9.52		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON TO ALL

STANDARD PLATING:

TERMINAL

BASE



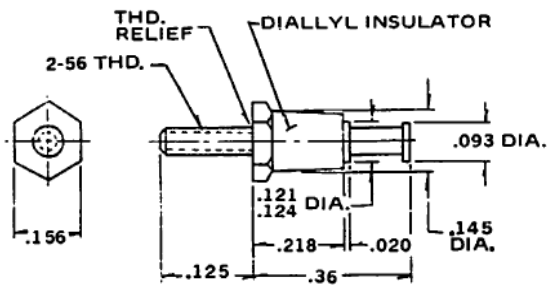
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850, 8 Angic Global Solutions

1-888-872-0690

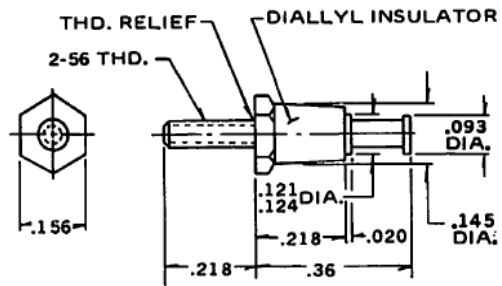
TOLE <https://www.AngicGlobal.com> Sales@AngicGlobal.com

Molded



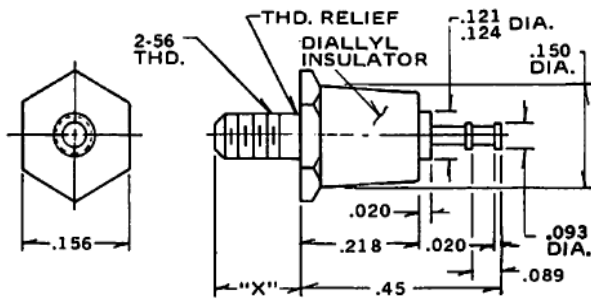
D.W.V. at Sea Level 6,000

PART No. M6TS7



D.W.V. at Sea Level 6,000

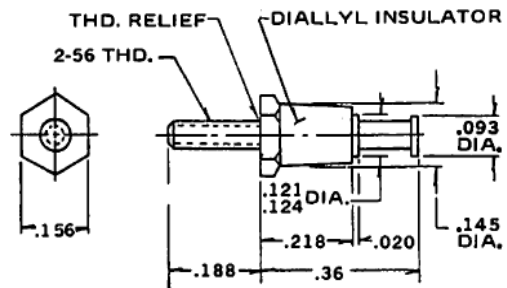
PART No. MTS 7



PART NO.	"X"	PART NO.	"X"
M2TS 7B	.125	M2TS 7C M2TS7 D	.188 .218

D.W.V. at Sea Level 6,000

PART No. M2TS7



D.W.V. at Sea Level 6,000

PART No. M4TS7

METRIC CONVERSION CHART

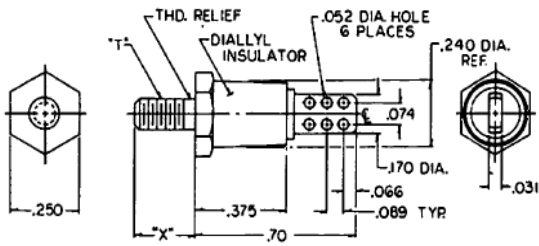
DECIMAL	MILLIMETER	DECIMAL	MILLIMETER
.010	.25	.278	7.06
.080	2.03	.281	7.14
.15	3.81	.344	8.74
.171	4.34	.365	9.27
.176	4.47	.37	9.40
.187	4.75	.375	9.52
.188	4.77	.531	13.49
.218	5.54	.593	15.06
.219	5.56	.78	19.81
.245	6.22	1.031	26.19
.250	6.35		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

# Insulated Terminals USECO

## Molded

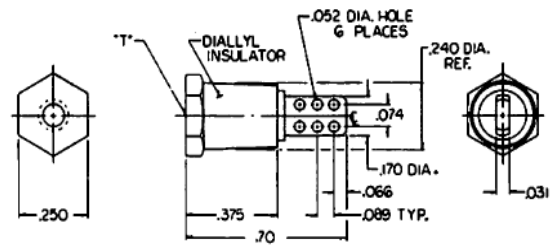
**A**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
866 A	.219	6-32	866 E	.219	4-40
866 B	.250	6-32	866 F	.250	4-40
866 C	.312	6-32	866 G	.312	4-40
866 D	.375	6-32	866 H	.375	4-40

D.W.V. at Sea Level 6,900

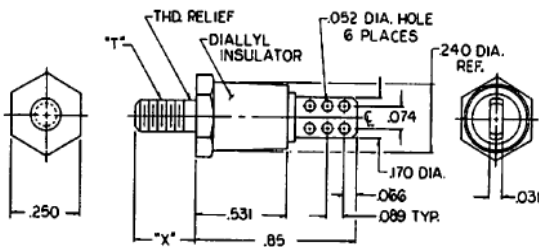
**PART No. 866**



PART NO.	"T"	PART NO.	"T"
867 A	6-32 x .15 DEEP	867 B	4-40 x .15 DEEP

D.W.V. at Sea Level 6,900

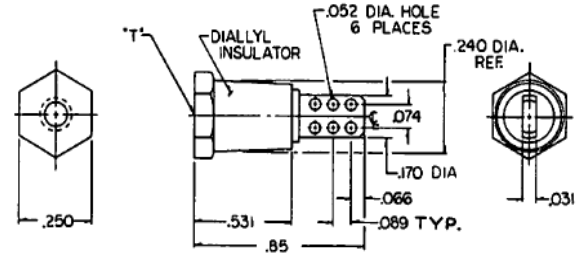
**PART No. 867**



PART NO.	"X"	"T"	PART NO.	"X"	"T"
868 A	.219	6-32	868 E	.219	4-40
868 B	.250	6-32	868 F	.250	4-40
868 C	.312	6-32	868 G	.312	4-40
868 D	.375	6-32	868 H	.375	4-40

D.W.V. at Sea Level 8,000

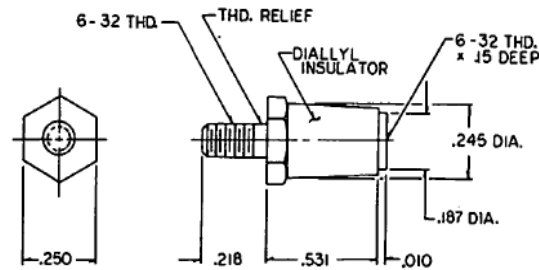
**PART No. 868**



PART NO.	"T"	PART NO.	"T"
869 A	6-32 x .21 DEEP	869 B	4-40 x .21 DEEP

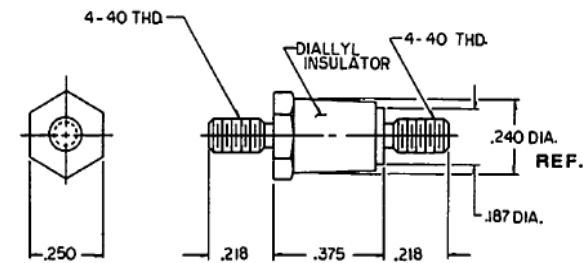
D.W.V. at Sea Level 8,000

**PART No. 869**



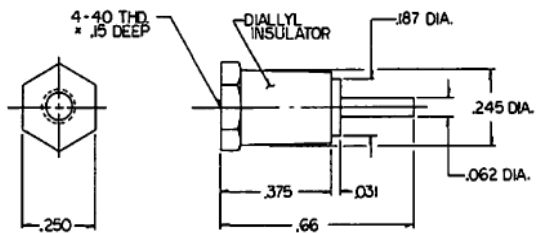
D.W.V. at Sea Level 8,000

**PART No. 851**



D.W.V. at Sea Level 6,900

**PART No. 852**



D.W.V. at Sea Level 6,900

**PART No. 787**

SPECIFICATIONS COMMON TO ALL TERMINALS

STANDARD PLATING: 888, 86

TERMINAL

BASE



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USECO



Notes

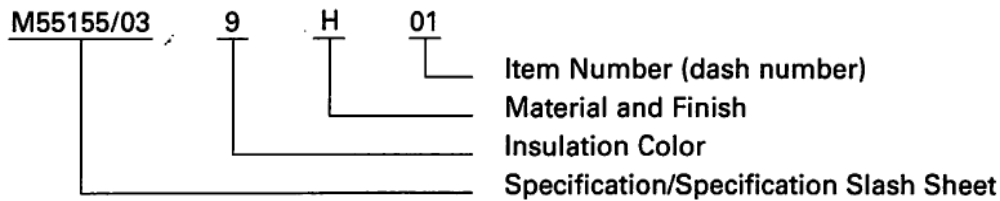
**SECTION B  
MIL-T, MS & NAS TERMINALS**

USECO Division offers from stock a wide variety of MIL-T-55155 terminals for those applications that require components designed to meet military specifications. For convenience of ordering, USECO part numbers have been assigned which reflect the various combinations offered as standard. Should a non-standard combination be desired prices will be promptly quoted. Consult the cross reference on pages 26 and 27 for standard items as follows:

**ORDERING INFORMATION**

The MIL-T-55155 detail specification number indicates the basic specification and slash sheet to which the terminal is being ordered. The complete part number consists of specification and slash sheet, insulation color, conductor material and finish, and item number as follows.

Example: MIL-T-55155/3-1 may be ordered as M55155/039H01 or 4501A-9-4.



**1. SPECIFICATION/SPECIFICATION SLASH SHEET**

**2. INSULATION COLOR**

0 = Black	2 = Red	4 = Yellow	6 = Blue	8 = Grey
1 = Brown	3 = Orange	5 = Green	7 = Violet	9 = White

X = Natural (other than Teflon) or non-insulated

**3. MATERIAL AND FINISH**

H = Brass ASTM B16; Tin-lead plated MIL-P-81728

**4. ITEM NUMBER (dash number per Specification Slash Sheet)**

Note: All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.

**STANDARD MATERIALS FOR TERMINALS AND BASES:**

Mil-T Terminals: /1 through /32 Brass, per ASTM B16

MS Terminals: Brass, per ASTM B16

**STANDARD FINISHES** shall be as specified:

**NON-INSULATED TERMINALS:** Tin-lead plated in accordance with MIL-P-81728 .0003 inch minimum thick, over copper per MIL-C-14550 Class IV .0001 inch minimum thick.

**INSULATED TERMINALS:** same as above

**INSULATED BASES:** Tin plated in accordance with MIL-T-10727 type I .0001 inch minimum thick, over copper per MIL-C-14550 Class IV .0001 inch minimum thick or nickel plated in accordance with QQ-N-290, Class II, .0001 min. inch thick over copper per MIL-C-14550 Class IV .0001 min. thick.

**FOR COLORS** other than specified consult factory.

<b>INSULATING MATERIALS:</b>	Teflon:	Per MIL-P-19468
	Hi-Alumina:	Per MIL-I-10
	Diallyl Phthalate:	Per MIL-M-14 Type SDG-F





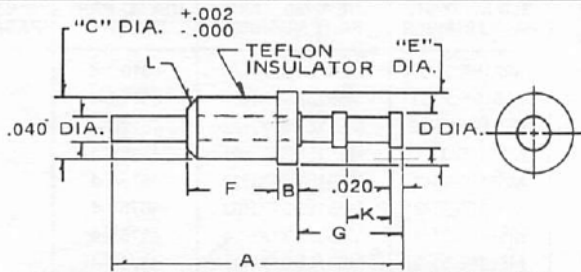
SPEC. SLASH SHEET NO.	OLD MILITARY PART NUMBER	NEW MILITARY PART NUMBER	USECO PART NUMBER	CAT. PAGE NO.	SPEC. SLASH SHEET NO.	OLD MILITARY PART NUMBER	NEW MILITARY PART NUMBER	USECO PART NUMBER	CAT. PAGE NO.
/1A	FT019A01S	M55155/019H01	4519	28		SE14XC05S	M55155/14XH05	4527C-4	
/3C	FT039B01S	M55155/039H01	4501A-9-4	28		SE14XC06S	M55155/14XH06	4527D-4	
	FT039B02S	M55155/039H02	4501B-9-4		/15C	SE15XC01S	M55155/15XH01	4528B-4	32
	FT039B03S	M55155/039H03	4501C-9-4			SE15XC02S	M55155/15XH02	4528C-4	
	FT039B04S	M55155/039H04	4501D-9-4			SE15XC03S	M55155/15XH03	4528D-4	
/4C	FT049B01S	M55155/049H01	4500A-9-4	28		SE15XC04S	M55155/15XH04	4529B-4	32
	FT049B02S	M55155/049H02	4500B-9-4			SE15XC05S	M55155/15XH05	4529C-4	
	FT049B03S	M55155/049H03	4500C-9-4			SE15XC06S	M55155/15XH06	4529D-4	
/5B	FT059B01S	M55155/059H01	4502A-9-4	28		SE15XC07S	M55155/15XH07	4530B-4	32
	FT059B02S	M55155/059H02	4502B-9-4			SE15XC08S	M55155/15XH08	4530C-4	
	FT059B03S	M55155/059H03	4502C-9-4			SE15XC09S	M55155/15XH09	4530D-4	
/6B	FT069B01S	M55155/069H01	4503A-9-4	28	/16C	SE16XC01S	M55155/16XH01	4531B-4	33
	FT069B02S	M55155/069H02	4503B-9-4			SE16XC02S	M55155/16XH02	4531C-4	
/7B	SE079B01S	M55155/079H01	4504A-9-4	28		SE16XC03S	M55155/16XH03	4531D-4	
	SE079B02S	M55155/079H02	4504B-9-4		/17C	SE17XC01S	M55155/17XH01	4532B-4	33
	SE079B03S	M55155/079H03	4504C-9-4			SE17XC02S	M55155/17XH02	4532C-4	
/8C	SE089B01S	M55155/089H01	4505A-9-4	28		SE17XC03S	M55155/17XH03	4532D-4	
	SE089B02S	M55155/039H02	4505B-9-4		/18B	SE185E01S	M55155/185H01	4550A-5-4-12	29
/9B	SE099E01S	M55155/099H01	4582-9-4-51	34		SE185E02S	M55155/185H02	4550B-5-4-12	
	SE099E02S	M55155/099H02	4581-9-4-51		/19C	SE195D01S	M55155/195H01	4551A-5-4-12	29
	SE095E03S	M55155/095H03	4574A-5-4-12	29		SE195D02S	M55155/195H02	4551B-5-4-12	
	SE095E04S	M55155/095H04	4574B-5-4-12		/20C	SE205D01S	M55155/205H01	4552A-5-4-12	29
	SE095E05S	M55155/095H05	4574C-5-4-12			SE205D02S	M55155/205H02	4552B-5-4-12	
/10B	SE109D01S	M55155/109H01	4580-9-4-51	29		SE205D03S	M55155/205H03	4552D-5-4-12	
	SE109D02S	M55155/109H02	4579-9-4-51			SE205D04S	M55155/205H04	4552C-5-4-12	
/11E	SE11XC01S	M55155/11XH01	4520B	31	/21B	SE21XE01S	M55155/21XH01	4553A-X-4-51	29
	SE11XC02S	M55155/11XH02	4520C			SE21XE02S	M55155/21XH02	4553B-X-4-51	
	SE11XC03S	M55155/11XH03	4520D			SE21XE03S	M55155/21XH03	4553C-X-4-51	
	SE11XC04S	M55155/11XH04	2060A	45		SE21XE04S	M55155/21XH04	4553D-X-4-51	
	SE11XC05S	M55155/11XH05	2060B		/23	SE23XC01Z	M55155/23XH01	4570A-4	33
	SE11XC06S	M55155/11XH06	2060C			SE23XC02Z	M55155/23XH02	4570B-4	
	SE11XC07S	M55155/11XH07	2060D			SE23XC03Z	M55155/23XH03	4570C-4	
	SE11XC08S	M55155/11XH08	2061AA	45		SE23XC04Z	M55155/23XH04	4570D-4	
	SE11XC09S	M55155/11XH09	2061A		/24C	SE24XC01Z	M55155/24XH01	4571A-4	33
	SE11XC10S	M55155/11XH10	2061B			SE24XC02Z	M55155/24XH02	4571B-4	
/12D	SE12XC01S	M55155/12XH01	4521B	31		SE24XC03Z	M55155/24XH03	4571C-4	
	SE12XC02S	M55155/12XH02	4521C			SE24XC04Z	M55155/24XH04	4571D-4	
	SE12XC03S	M55155/12XH03	4521D			SE24XC05S	M55155/24XH05	4577AA-4	33
	SE12XC04S	M55155/12XH04	4522B	31		SE24XC06S	M55155/24XH06	4577A-4	
	SE12XC05S	M55155/12XH05	4522C			SE24XC07S	M55155/24XH07	4577B-4	
	SE12XC06S	M55155/12XH06	4522D			SE24XC08S	M55155/24XH08	4577C-4	
	SE12XC07S	M55155/12XH07	4523B	31		SE24XC09S	M55155/24XH09	4577D-4	
	SE12XC08S	M55155/12XH08	4523C			SE24XC15S	M55155/24XH15	4578B-4	33
	SE12XC09S	M55155/12XH09	4523D			SE24XC16S	M55155/24XH16	4578C-4	
	SE12XC10S	M55155/12XH10	2030A	45		SE24XC17S	M55155/24XH17	4578D-4	
	SE12XC11S	M55155/12XH11	2030B		/25B	SE25XC01Z	M55155/25XH01	4572A-4	33
	SE12XC12S	M55155/12XH12	2030C			SE25XC02Z	M55155/25XH02	4572B-4	
	SE12XC13S	M55155/12XH13	2030D			SE25XC03Z	M55155/25XH03	4572C-4	
	SE12XC14S	M55155/12XH14	2064A	45		SE25XC04Z	M55155/25XH04	4572D-4	
	SE12XC15S	M55155/12XH15	2064B		/26B	SE26XF01S	M55155/26XH01	4513-4	31
	SE12XC16S	M55155/12XH16	2064C			SE26XF02S	M55155/26XH02	4514-4	
/13C	SE13XC01S	M55155/13XH01	4524B-4	32		SE26XF03S	M55155/26XH03	4515-4	
	SE13XC02S	M55155/13XH02	4524C-4		/29A	M55155/29-1	M55155/29XH01	4507AA-4	30
	SE13XC03S	M55155/13XH03	4524D-4			M55155/29-2	M55155/29XH02	4507A-4	
	SE13XC04S	M55155/13XH04	4525B-4	32		M55155/29-3	M55155/29XH03	4506A-4	
	SE13XC05S	M55155/13XH05	4525C-4			M55155/29-4	M55155/29XH04	4508A-4	
	SE13XC06S	M55155/13XH06	4525D-4			M55155/29-5	M55155/29XH05	4507B-4	
/14C	SE14XC01S	M55155/14XH01	4526B-4	32		M55155/29-6	M55155/29XH06	4506B-4	
	SE14XC02S	M55155/14XH02	4526C-4			M55155/29-7	M55155/29XH07	4508B-4	
	SE14XC03S	M55155/14XH03	4526D-4			M55155/29-8	M55155/29XH08	4507C-4	
	SE14XC04S	M55155/14XH04	4527B-4	32		M55155/29-9	M55155/29XH09	4506C-4	



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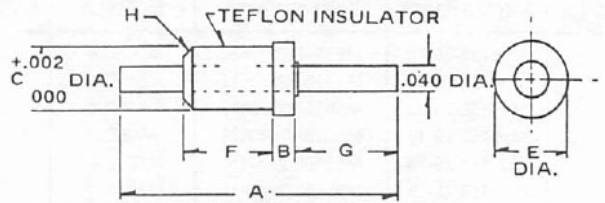
Teflon



LTR.	A	B	C	D	E	F	G	K	L
A	.500	.040	.148	.080	.172	.100	.210	.100	.015x45°
B	.836	.125	.148	.093	.172	.230	.250	.093	.031x45°
C	.500	.040	.093	.080	.125	.100	.210	.100	.015x45°

D.W.V. at Sea Level -A 1500 Volts AC  
-B 3000 Volts AC  
-C 1500 Volts AC

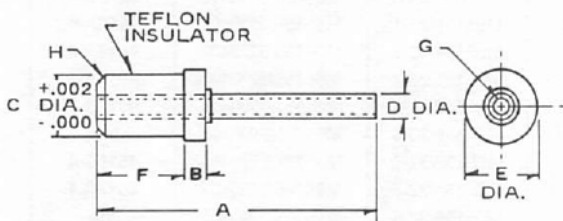
MIL-T-55155/4-1, 2 & 3 PART No. 4500



LTR.	A	B	C	E	F	G	H
A	.375	.040	.148	.172	.100	.125	.015x45°
B	.515	.040	.148	.172	.100	.210	.015x45°
C	.675	.125	.165	.187	.150	.200	.031x45°
D	.515	.040	.093	.125	.100	.210	.015x45°
E	.343	.040	.093	.125	.100	.125	.015x45°

D.W.V. at Sea Level -A-B, 2000 Volts AC  
-C, 2500 Volts AC  
-D-E, 1500 Volts AC

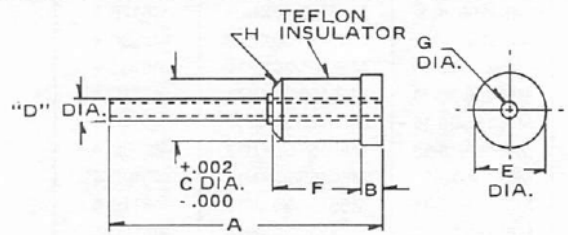
MIL-T-55155/3 1, 2, 3, 4 & 5 PART No. 4501



LTR.	A	B	C	D	E	F	G	H
A	.225	.040	.093	.040	.125	.060	.030	.010x45°
B	.310	.040	.120	.040	.130	.053	.030	.015x45°
C	.367	.050	.148	.085	.172	.110	.063	.015x45°

D.W.V. at Sea Level -A, -B & -C 1500 VAC

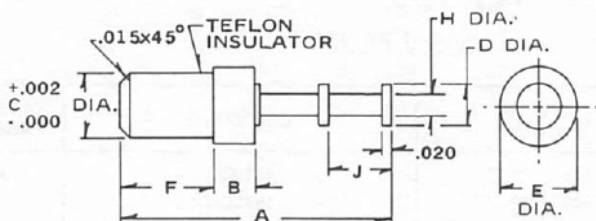
MIL-T-55155/5-1, 2 & 3 PART No. 4502



LTR.	A	B	C	D	E	F	G	H
A	.193	.025	.125	.050	.150	.063	.030	.015x45°
B	.367	.050	.148	.085	.172	.110	.063	.015x45°

D.W.V. at Sea Level, -A, -B 1500 VAC

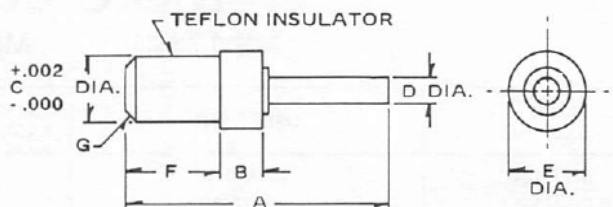
MIL-T-55155/6 1 & 2 PART No. 4503



LTR.	A	B	C	D	E	F	H	J
A	.359	.040	.148	.080	.172	.110	.040	.120
B	.421	.125	.165	.093	.187	.150	.045	.068
C	.350	.040	.093	.080	.125	.100	.040	.120

D.W.V. at Sea Level, -A, -C 1500 VAC  
-B 2500 VAC

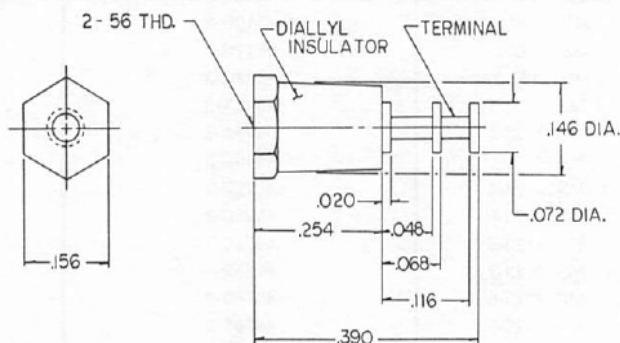
MIL-T-55155/7-1, 2 & 3 PART No. 4504



LTR.	A	B	C	D	E	F	G
A	.350	.040	.148	.040	.172	.100	.015x45°
B	.350	.040	.093	.040	.125	.100	.015x45°

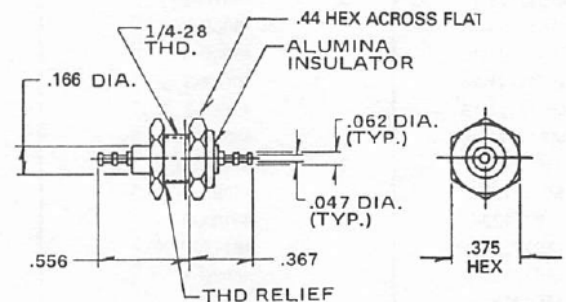
D.W.V. at Sea Level -A, -B 1500 VAC

MIL-T-55155/8-1 & 2 PART No. 4505



D.W.V. at Sea Level 3,000 VAC

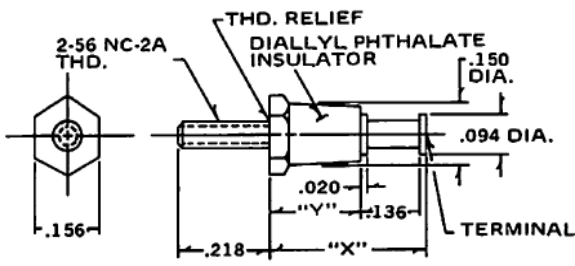
MIL-T-55155/20 3 PART No. 4552 D



D.W.V. at Sea Level 1,250 VAC

MIL-T-55155/1-1 PART No. 4519

**B**

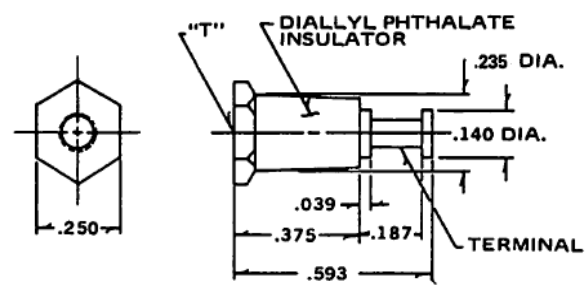


PART NO.	"X"	"Y"	PART NO.	"X"	"Y"
4550 A	.375	.219	4550 B	.532	.375

D.W.V. at Sea LEVEL; -A 2,000 V.A.C.  
-B 3,000 V.A.C.

MIL-T-55155/18-1 & 2

PART No. 4550

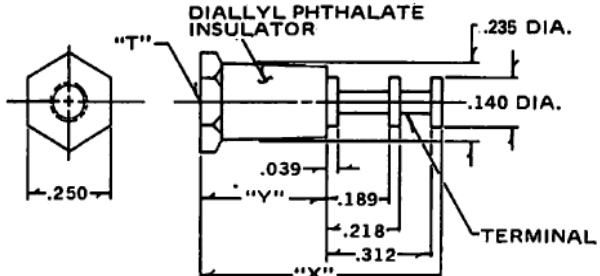


PART NO.	"T"	PART NO.	"T"
4551A	4-40X.16 DEEP	4551 B	6-32 X.16 DEEP

D.W.V. at Sea Level; 3,000 V.A.C.

MIL-T-55155/19-1 & 3

PART No. 4551

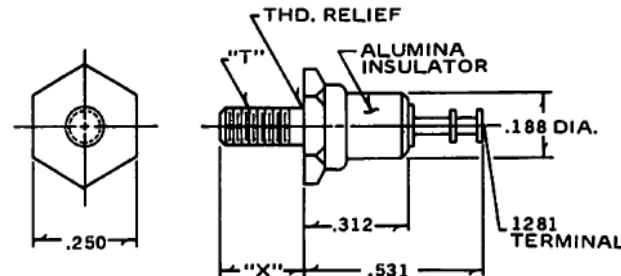


PART NO.	"X"	"Y"	"T"	PART NO.	"X"	"Y"	"T"
4552 A	.718	.375	4-40	4552 B	.937	.594	4-40
				4552 C	.937	.594	6-32

D.W.V. at Sea LEVEL; -A 3,000 V.A.C.  
-B 6,000 V.A.C.  
-C 6,000 V.A.C.

MIL-T-55155/20-1 & 2 & 4

PART No. 4552

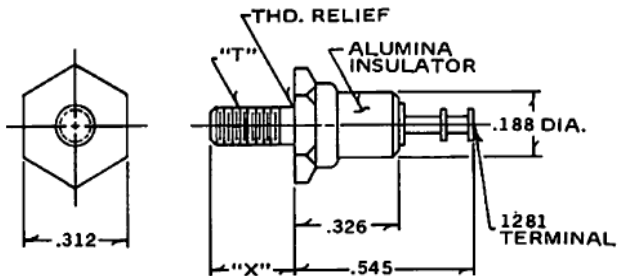


PART NO.	"X"	"T"	PART NO.	"X"	"T"
4553 A	.250	4-40	4553 B	.375	4-40

D.W.V. at Sea Level; 1500 V.A.C.

MIL-T-55155/21-1 & 2

PART No. 4553

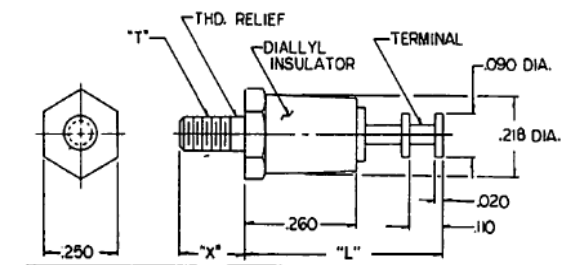


PART NO.	"X"	"T"	PART NO.	"X"	"T"
4554 A	.250	6-32	4554 B	.375	6-32

D.W.V. at Sea Level, 2,000 V.A.C.

MIL-T-55155/21-3 & 4

PART No. 4554

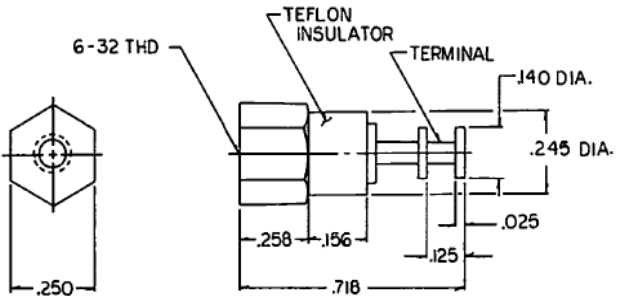


PART NO.	"X"	"T"	"L"
4574A	.188	4-40	.500
4574B	.250	4-40	.500
4574C	.325	4-40	.550

D.W.V. at Sea Level 3,500 VAC

MIL-T-55155/9-3, 4 & 5

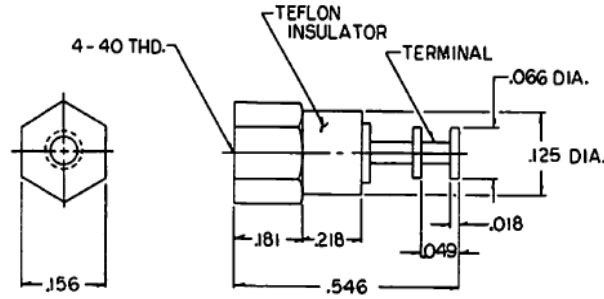
PART No. 4574



D.W.V. at Sea Level 3,300 VAC

MIL-T-55155/10-2

PART No. 4579



D.W.V. at Sea Level 3,500 VAC

MIL-T-55155/10-1

PART No. 4580

SPECIFICATIONS COMMON TO ALL PARTS ON THIS PAGE

STANDARD PLATING:

TERMINAL -4

BASE -51

29

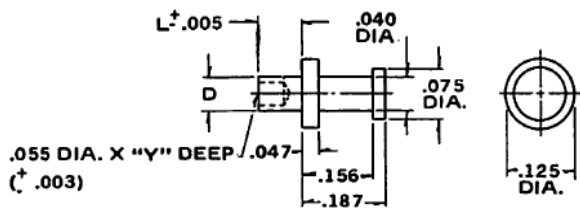


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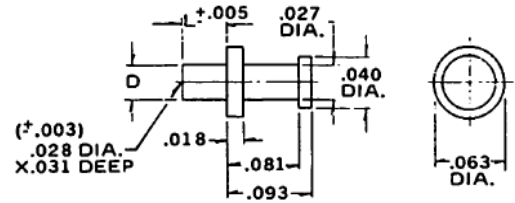
1-888-872-0690

TOLERANCE: <https://www.AngicGlobal.com> Sales@AngicGlobal.com



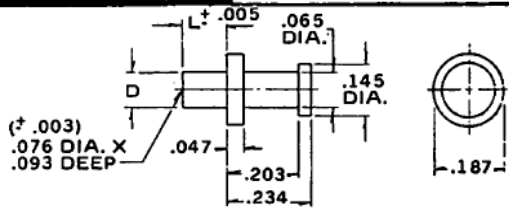
ORDER BY PART NO.	"D" ±.002	"Y" ±.003	L NOM.	RECOMMENDATIONS		
				BD THICK	MTG HOLE	SWAGE TOOL
4506 A	.078 DIA.	.063	.078	.031	+.003	4506
4506 B		.093	.109	.062	.080	
4506 C		.093	.140	.094	-.001	
4506 D		.093	.170	.125	DIA.	

MIL-T-55155/29-3, 6, 9, & 12 PART No. 4506



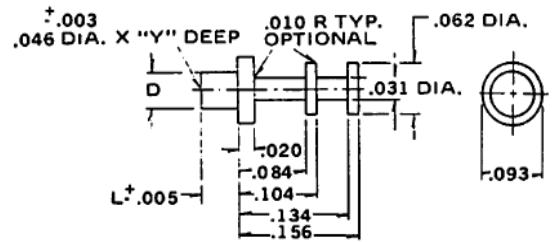
ORDER BY PART NO.	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4507 AA	.047 DIA.	.035	.015	+.003	4507
4507 A		.051	.032	.051	
4507 B		.082	.062	-.001	
4507 C		.113	.093	DIA.	
4507 D		.145	.125	DIA.	

MIL-T-55155/29-1, 2, 5, 8, & 11 PART No. 4507



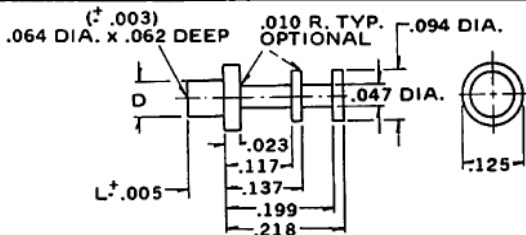
ORDER BY PART NO.	D ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4508 A	.112 DIA.	.078	.031	+.003	4508
4508 B		.109	.062	.116	
4508 C		.140	.094	-.001	
4508 D		.170	.125	DIA.	
4508 E		.195	.156	DIA.	
4508 F		.230	.187	DIA.	
4508 G		.297	.250	DIA.	

MIL-T-55155/29-4, 7, 10, 13, 14, 15, & 16 PART No. 4508



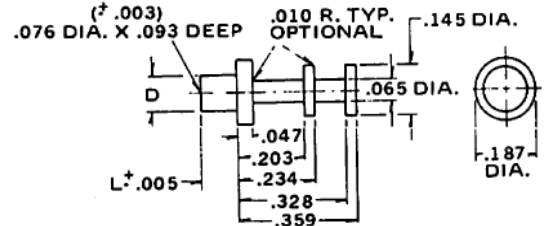
ORDER BY PART NO.	D ±.002	L NOM.	"Y" ±.003	RECOMMENDATIONS		
				BD THICK	MTG HOLE	SWAGE TOOL
4509 AA	.062 DIA.	.037	.025	+.003	4509	
4509 A		.053	.045	.032		
4509 B		.084	.045	.062		
4509 C		.115	.045	.094		
4509 D		.147	.045	.125		
4509 E		.187	.045	DIA.		
4509 F		.250	.045	DIA.		

MIL-T-55155/30-1, 2, 5, 9, & 13 PART No. 4509



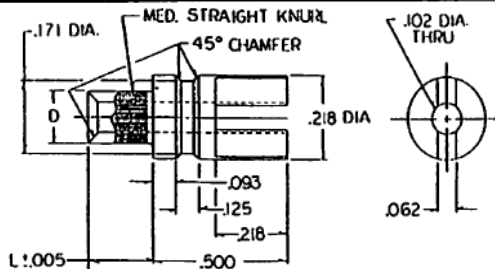
ORDER BY PART NO.	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4510 A	.090 DIA.	.078	.031	+.003	4510
4510 B		.109	.062	.116	
4510 C		.140	.094	-.001	
4510 D		.171	.125	DIA.	
4510 E		.203	.156	DIA.	
4510 F		.234	.187	DIA.	
4510 G		.296	.250	DIA.	

MIL-T-55155/30-3, 6, 10, 14, 17, & 20 PART No. 4510



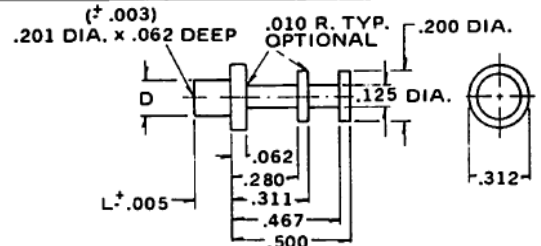
ORDER BY PART NO.	D ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4511 A	.112 DIA.	.078	.031	+.003	4511
4511 B		.109	.062	.116	
4511 C		.140	.094	-.001	
4511 D		.171	.125	DIA.	
4511 E		.203	.156	DIA.	
4511 F		.234	.187	DIA.	
4511 G		.296	.250	DIA.	

MIL-T-55155/30-4, 7, 11, 15, 18, & 21 PART No. 4511



ORDER BY PART NO.	D ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4517 A	.135 DIA.	.109	.062	+.003	4517
4517 B		.140	.094	.139	
4517 C		.171	.125	-.001	

MIL-T-55155 32-2, 4 & 7 PART NO. 4517



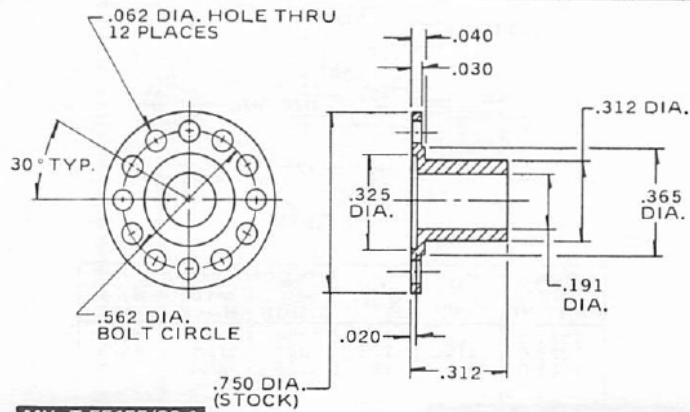
ORDER BY PART NO.	D ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4512 B	.262 DIA.	.109	.062	+.003	4512
4512 C		.140	.094	.266	
4512 F		.171	.125	-.001	
4512 G		.234	.187	DIA.	
4512 H		.296	.250	DIA.	

MIL-T-55155/30-8, 12, 16, 19, & 22 PART No. 4512

# MIL-T-55155 Terminals

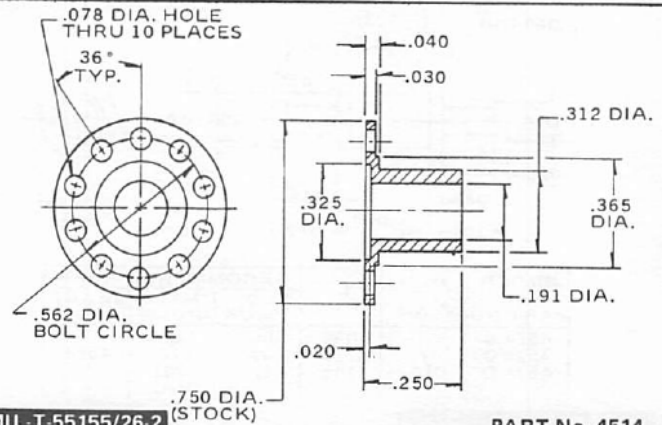


**B**



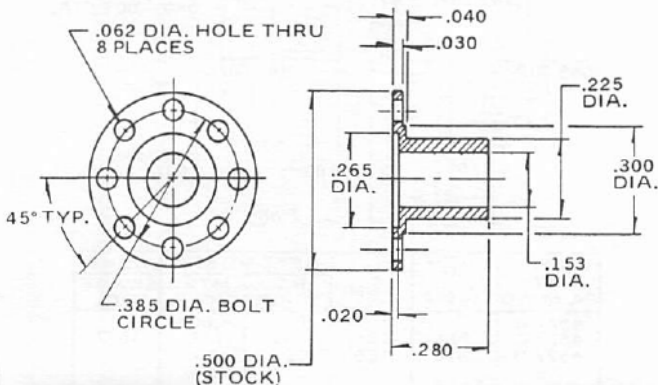
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PART No. 4513



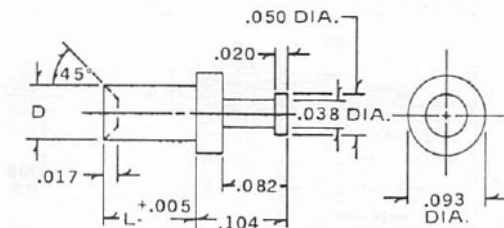
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PART No. 4514



MIL-T-55155/26-3

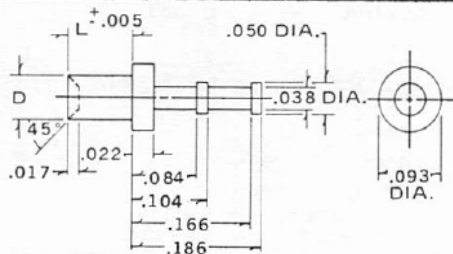
PART No. 4515



MIL-T-55155/11-1, 2, & 3

PART No. 4520

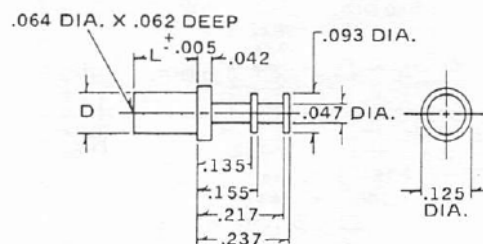
ORDER BY PART NO	D ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4520 B	.072 DIA.	.082	.062	+.003	4520
4520 C	.072 DIA.	.113	.094	.076	
4520 D	.072 DIA.	.145	.125	-.001	



MIL-T-55155/12-1, 2, & 3

PART No. 4521

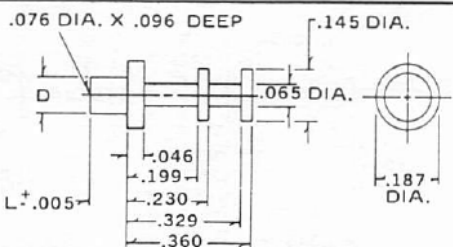
ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4521 B	.072 DIA.	.082	.062	+.003	4521
4521 C	.072 DIA.	.113	.094	.076	
4521 D	.072 DIA.	.145	.125	-.001 DIA.	



MIL-T-55155/12-4, 5, & 6

PART No. 4522

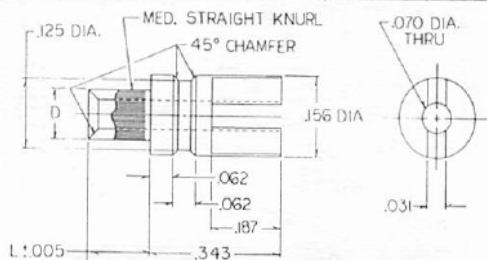
ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4522 B	.090 DIA.	.105	.062	+.003	4522
4522 C	.090 DIA.	.135	.094	.094	
4522 D	.090 DIA.	.165	.125	-.001 DIA.	



MIL-T-55155/12-7, 8, & 9

PART No. 4523

ORDER BY PART NO	D ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4523 B	.112 DIA.	.109	.062	+.003	4523
4523 C	.112 DIA.	.141	.094	.116	
4523 D	.112 DIA.	.172	.125	-.001 DIA.	



MIL-T-55155/32-1, 3 & 6

PART No. 4516

ORDER BY PART NO.	D ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4516 A	.112 DIA.	.109	.062	+.003	4516
4516 B	.112 DIA.	.140	.094	.116	
4516 C	.112 DIA.	.171	.125	-.001	

STANDARD PLATING:



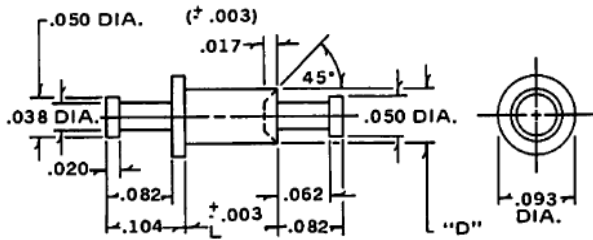
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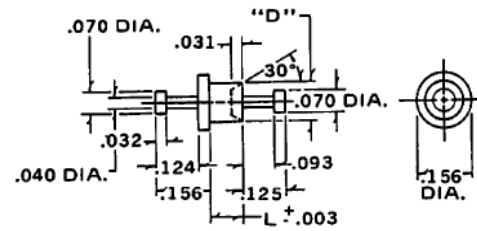
<https://www.AngicGlobal.com> Sales@AngicGlobal.com



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4524 B		.082	.062	+.003	4524
4524 C	.072 DIA.	.113	.094	.076	
4524 D		.145	.125	-.001 DIA.	

MIL-T-55155/13.1, 2, & 3

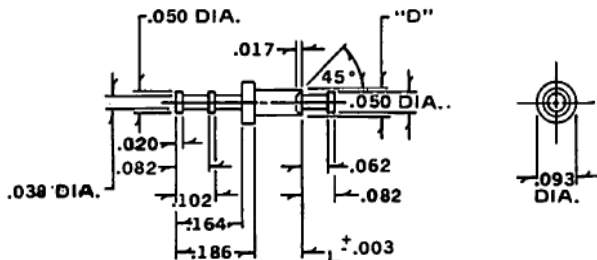
PART No. 4524



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4525 B		.105	.062	+.003	4525
4525 C	.116 DIA.	.135	.094	.120	
4525 D		.165	.125	-.001 DIA.	

MIL-T-55155/13.4, 5, & 6

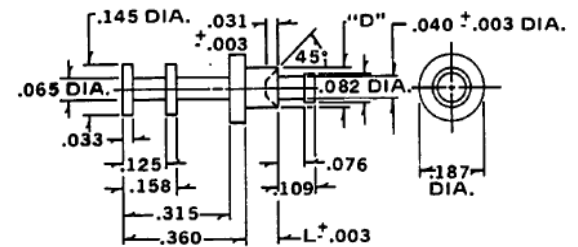
PART No. 4525



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4526 B		.082	.062	+.003	4526
4526 C	.072 DIA.	.113	.094	.076	
4526 D		.145	.125	-.001 DIA.	

MIL-T-55155/14.1, 2, & 3

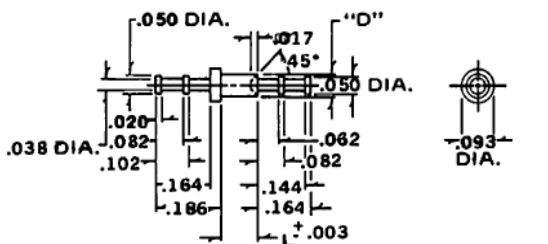
PART No. 4526



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4527 B		.105	.062	+.003	4527
4527 C	.114 DIA.	.135	.094	.118	
4527 D		.165	.125	-.001 DIA.	

MIL-T-55155/14.4, 5, & 6

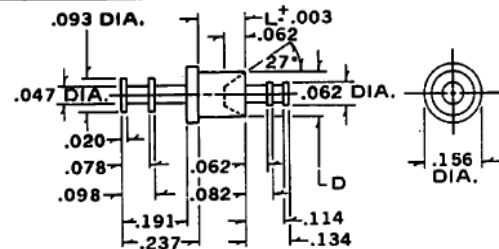
PART No. 4527



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4528 B		.082	.062	+.003	4528
4528 C	.072 DIA.	.113	.094	.076	
4528 D		.145	.125	-.001 DIA.	

MIL-T-55155/15.1, 2, & 3

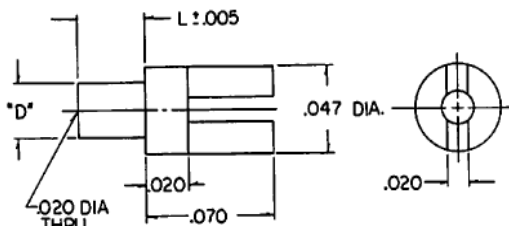
PART No. 4528



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4529 B		.105	.062	+.003	4529
4529 C	.125 DIA.	.135	.094	.129	
4529 D		.165	.125	-.001 DIA.	

MIL-T-55155/15.4, 5, & 6

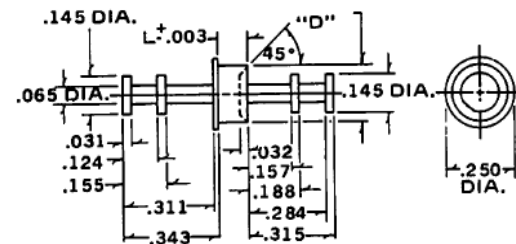
PART No. 4529



ORDER BY PART NO	"D" ±.005	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4578 A		.053	.031	+.003	4578
4578 B	.032 DIA.	.084	.062	.034	
4578 C		.115	.094	-.001	

MIL-T-55155/24.15, 16 & 17

PART No. 4578

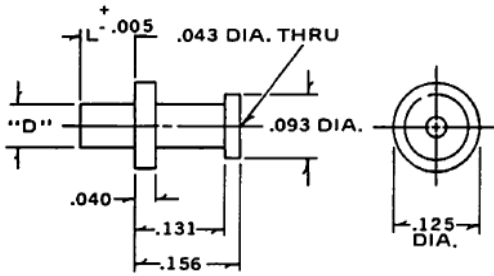


ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4530 B		.093	.062	+.003	4530
4530 C	.201 DIA.	.125	.094	.206	
4530 D		.156	.125	-.001 DIA.	

MIL-T-55155/15.7, 8, & 9

PART No. 4530

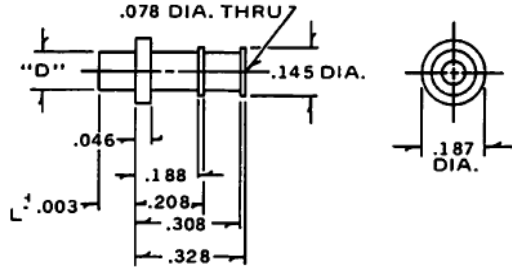
# MIL-T-55155 Terminals USECO



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4531 B		.084	.062	+0.003	4531
4531 C		.115	.094	.066	
4531 D	.062 DIA.	.147	.125	-.001 DIA.	

MIL-T-55155/16-1, 2, & 3

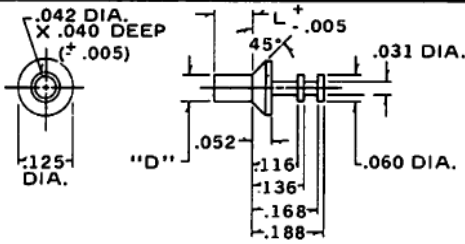
PART No. 4531



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4532 B		.109	.062	+0.003	4532
4532 C		.141	.094	.116	
4532 D	.112 DIA.	.172	.125	-.001 DIA.	

MIL-T-55155/17-1, 2, & 3

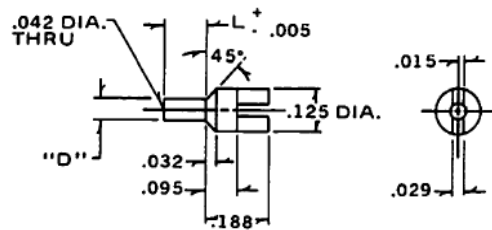
PART No. 4532



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4570 A		.062	.031		Funnel
4570 B		.094	.062	+0.003	4570
4570 C		.125	.094	.064	
4570 D	.060 DIA.	.156	.125	-.001 DIA.	

MIL-T-55155/23-1, 2, 3, & 4

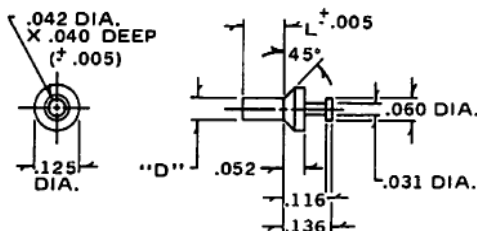
PART No. 4570



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4571 A		.062	.031		Funnel
4571 B		.094	.062	+0.003	4571
4571 C		.125	.094	.064	
4571 D	.060 DIA.	.156	.125	-.001 DIA.	

MIL-T-55155/24-1, 2, 3, & 4

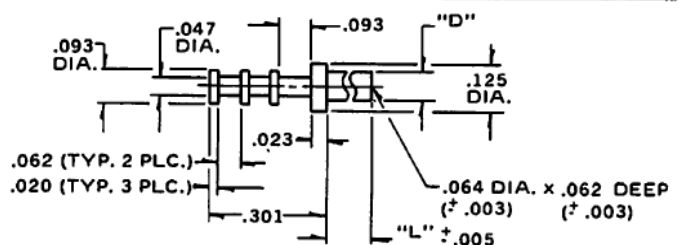
PART No. 4571



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4572 A		.062	.031		Funnel
4572 B		.094	.062	+0.003	4572
4572 C		.125	.094	.064	
4572 D	.060 DIA.	.156	.125	-.001 DIA.	

MIL-T-55155/25-1, 2, 3, & 4

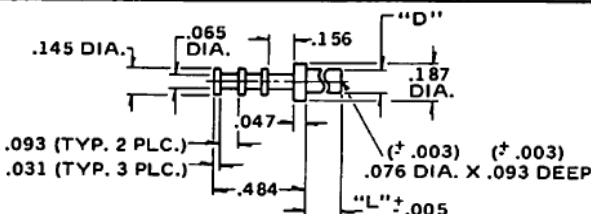
PART No. 4572



ORDER BY PART NO	D ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4575 A		.062	.031		4575
4575 B		.093	.062	+0.003	
4575 C		.125	.094	.094	
4575 D		.156	.125	-.001	
4575 E	.090 DIA.	.187	.156	.187	
4575 F		.218	.187		

MIL-T-55155/31-1, 3, 5, 7, & 10

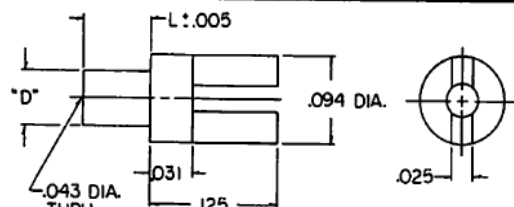
PART No. 4575



ORDER BY PART NO	"D" ±.002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
4576 A		.078	.031		4576
4576 B		.109	.062	+0.003	
4576 C		.140	.094	.116	
4576 D		.171	.125	-.001	
4576 E	.112 DIA.	.195	.156		
4576 F		.234	.187		
4576 G		.296	.250		

MIL-T-55155/31-2, 4, 6, 8, 9, 11, & 12

PART No. 4576



ORDER BY PART NO	"D" ±.000 -0.005	L NOM.	RECOMMENDATIONS		
			BD. THICK	MTG. HOLE	SWAGE TOOL
4577AA		.037	.016		4577
4577A		.053	.031	+0.003	
4577B		.084	.062	.065	
4577C	.063 DIA.	.115	.094	.001	
4577D		.147	.125		

MIL-T-55155/24-5, 6, 7, 8 & 9

PART No. 4577

SPECIFICATIONS COMMON TO ALL TERMINALS

STANDARD PLATING:

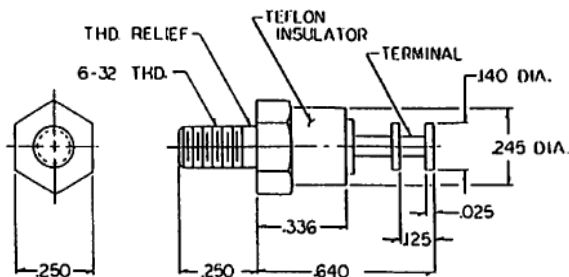


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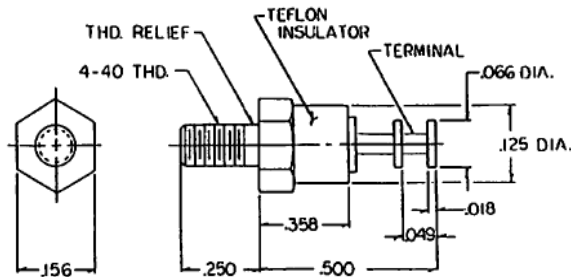
TOLERANCE: <https://www.AngicGlobal.com> Sales@AngicGlobal.com



D.W.V. at Sea Level 3,300 VAC

MIL-T-55155-9-2

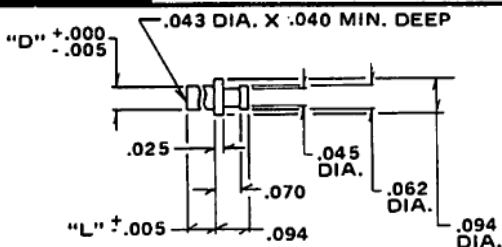
PART NO. 4581



D.W.V. at Sea Level 3,500 VAC

MIL-T-55155-9-1

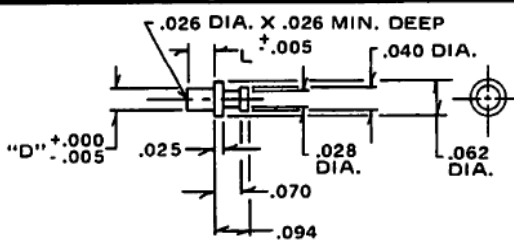
PART NO. 4582



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2060 A	.063	.053	.031	+.003	
2060 B	DIA.	.084	.062	.065	
2060 C		.115	.094	DIA.	
2060 D		.147	.125	-.001	2060

MIL-T-55155/11-4, 5, 6 & 7

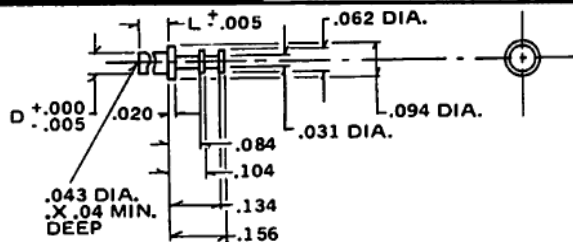
PART No. 2060



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2061 AA		.037	.016	+.003	
2061 A	.042	.053	.031	.044	2061
2061 B	DIA.	.084	.062	-.001	

MIL-T-55155/11-8, 9, 10, 11

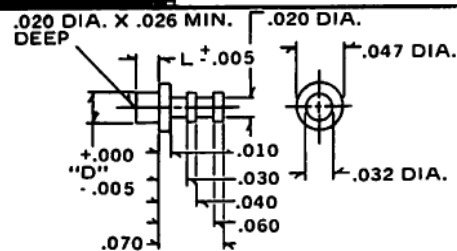
PART No. 2061



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2030 A	.062	.053	.031	+.003	
2030 B	DIA.	.084	.062	.064	
2030 C		.115	.094	DIA.	
2030 D		.147	.125	-.001	2030

MIL-T-55155/12, -10, -11, -12 & 13

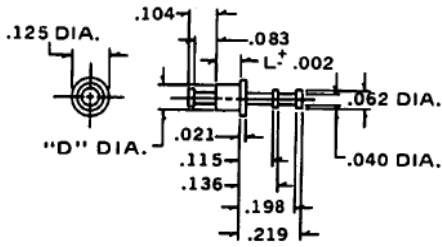
PART No. 2030



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2064 A	.032	.053	.031	+.003	
2064 B	DIA.	.084	.062	.032	
2064 C		.115	.094	-.001	2064

MIL-T-55155/12-14, 15 & 16

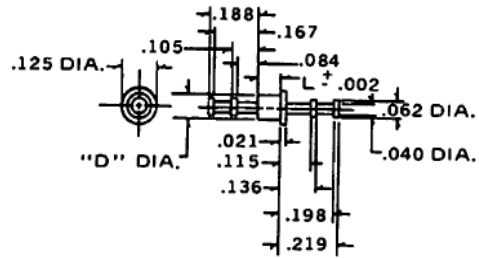
PART No. 2064



ORDER BY PART NO.	"D" ± .002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2501 B	.090	.093	.062	+ .003	2501
2501 C		.125	.094	.094 - .001	

MS-17156-5 & 8

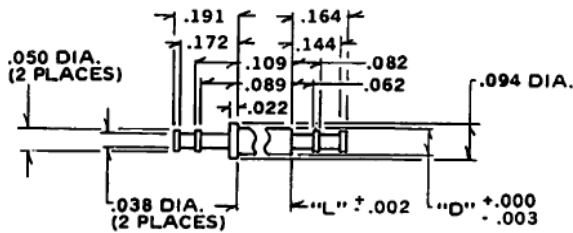
PART No. 2501



ORDER BY PART NO.	"D" ± .002	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2502 B	.090	.093	.062	+ .003	2502
2502 C		.125	.093	.094 - .001	

MS-17157-6 & 10

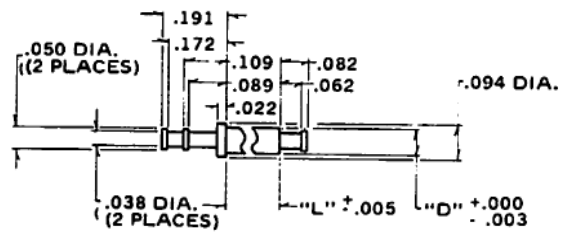
PART No. 2502



ORDER BY PART NO.	D	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2509 A	.073 DIA.	.053	.031	+ .003	2509
2509 B		.084	.062	.076	
2509 C		.115	.094	.094 DIA.	

MS-17157-2, 5 & 9

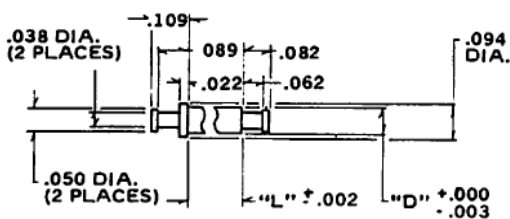
PART No. 2509



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2510 A	.073 DIA.	.053	.031	- .003	2510
2510 B		.084	.062	.076	
2510 C		.115	.094	.094 DIA.	
2510 D		.147	.125	.125 DIA.	

MS-17156-1, 4, 7 & 10

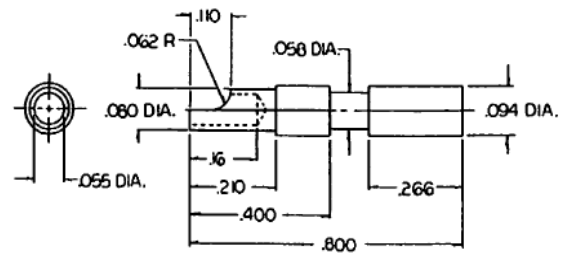
PART No. 2510



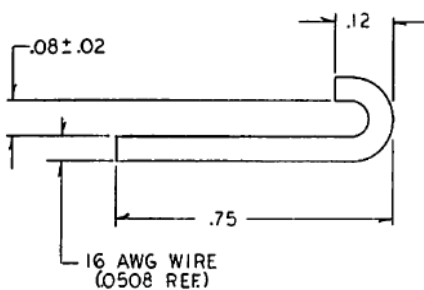
ORDER BY PART NO.	"D"	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2530 A	.073 DIA.	.053	.031	+ .003	2530
2530 B		.084	.062	.076	
2530 C		.115	.094	.094 DIA.	
2530 D		.147	.125	.125 DIA.	

MS-17155-2, 5, 8 & 11

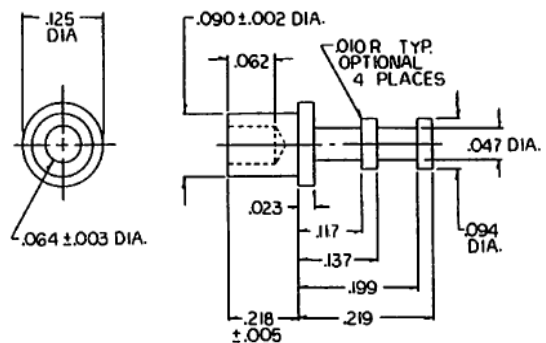
PART No. 2530



PART NO. 1558S



PART NO. 1273



PART NO. 1558EE

SPECIFICATIONS COMMON

STANDARD PLATING MS-1558C

-33



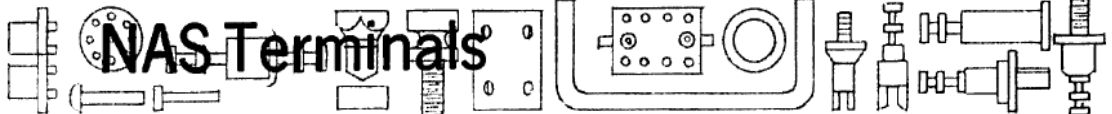
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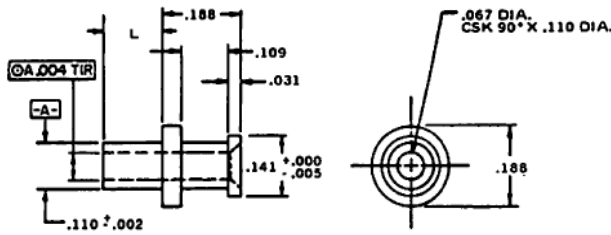
1-888-872-0690

TOLERANCE

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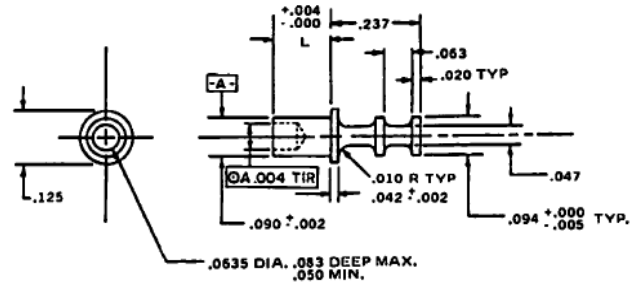


**NAS (National Aeronautical Standards)**



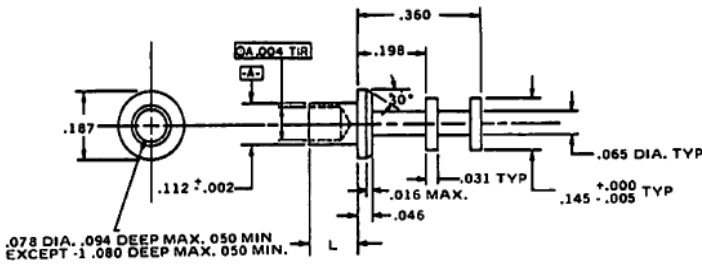
DASH NUMBER	SHANK LENGTH L ±.003	MTG. BOARD THICKNESS
-1	.078	1/32
-2	.109	1/16
-3	.141	3/32
-4	.172	1/8

**PART No. NAS 704**



DASH NUMBER	SHANK LENGTH L	MTG. BOARD THICKNESS
-1	.075	1/32
-2	.105	1/16
-3	.135	3/32
-4	.165	1/8

**PART No. NAS 705**



DASH NUMBER	SHANK LENGTH L	MTG. BOARD THICKNESS
-1	.075	1/32
-2	.109	1/16
-3	.141	3/32
-4	.172	1/8
-5	.195	5/32
-6	.230	3/16
-8	.295	1/4

**PART No. NAS 707**

**MATERIAL:** Commercial brass, Federal Spec. ASTM B16, Alloy 360, 1/2 hard, anneal to hardness R<sub>h</sub> 50 max.

**FINISH:** When required: Electroplated solder over copper plate; silver plate with water dip lacquer; or gold plate over copper plate. (See Code)

**CODE:** Letter between basic part number and dash number indicates finish:

"C" = Tin Lead .0003 min per Mil-P-81728 over Copper .0001 min per Mil-C-14550, Class 4. (USECO -45) Reflow

"D" = Gold .000050 min per Mil-G-45204, Type I over Copper .0001 min per Mil-C-14550, Class 4. (USECO -3)

"S" = Silver plate .0002 min per QQ-S-365, Type II with water dip lacquer. (USECO -1)

**EXAMPLE OF PART NUMBER:**

NAS704S2 = Terminal stud, turret, hollow, midget, commercial brass, shank length .109, mounting board thickness 1/16 inch.

**NOTES:**

- All machined surfaces in accordance with MIL-STD-10
- Dimension to be held after plating
- Remove all burrs and break all sharp edges .015 maximum, fillet radii .010
- Dimensions in inches unless otherwise specified
- Tolerances: Decimals ±.005, angles ±1°
- Type D terminals are to be checked for porous gold plating by immersion in a solution of one part nitric acid diluted with one part distilled water, by volume, for a period of 30 seconds (minimum) without any visible reaction or by any other equivalent test approved by procuring source
- Drafting symbols per MIL-STD-8

**METRIC CONVERSION CHART**

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.002	.05	.067	1.70	.146	3.70
.004	.10	.075	1.90	.156	3.96
.005	.12	.078	1.98	.172	4.37
.010	.25	.080	2.03	.187	4.95
.016	.40	.083	2.10	.188	4.77
.020	.50	.090	2.28	.195	4.95
.031	.76	.094	2.38	.198	5.03
.042	1.06	.109	2.78	.230	5.84
.046	1.16	.110	2.79	.237	6.02
.047	1.19	.112	2.84	.250	6.35
.050	1.27	.125	3.17	.295	7.49
.063	1.60	.141	3.58	.360	9.14
.065	1.65	.145	3.68	1.000	25.40

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



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## SECTION "C"

### UNIJAK PINS & SOCKETS

#### UNIJAK PINS AND PRINTED CIRCUIT BOARD SOCKETS

Available in a broad line of standard board types or in specially designed units, USECO miniature printed circuit connectors and sockets, permit the mounting of transistors, diodes, transformers, and all other miniature components and modules without soldering or welding. A component lead inserted into one of these individual jacks is retained firmly by an internal beryllium copper spring, but can be withdrawn without damage to lead, component, or connector.

Besides effecting a reduction in assembly time, the use of USECO connectors and sockets increases reliability, reduces component damage and rejections, and permits easy removal and replacement for module repair purposes.

#### Socket

**Specifications:** Materials

**Housing:** Brass per ASTM B16

**Spring:** Beryllium Copper per QQ-C-530  
Finishes Std.

**Housing:** USECO -7 (.000020 Min. thick gold per MIL-G-45204 Type II grade C over .0001 min. thick copper per MIL-C-14550)

**Spring:** USECO -3 (.000050 Min. thick gold per MIL-G-45204 type II grade C over .0001 min. thick copper per MIL-C-14550)

**Pins:** Brass per ASTM B16 USECO -7 .000020 min. thick gold per MIL-G-45204 type II grade C over copper per MIL-C-14550 Class IV .0001 inch minimum thick.

#### FOR OTHER AVAILABLE FINISHES CONSULT FACTORY

**Note:** All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.



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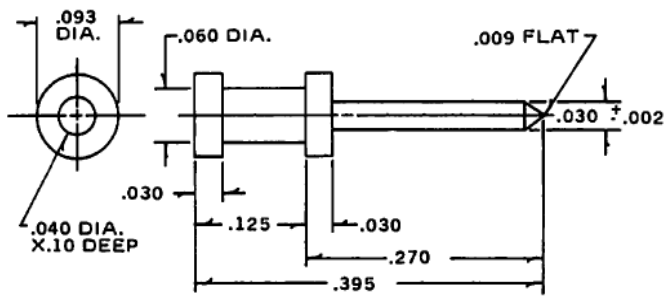
Angic Global Solutions

1-888-872-0690

<https://www.AngicGlobal.com> [Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)

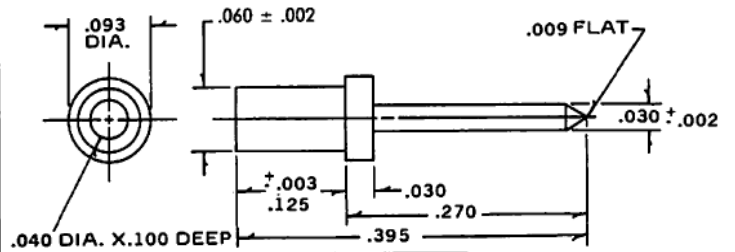
## Pins

### Solder Mount



PART No. 7710

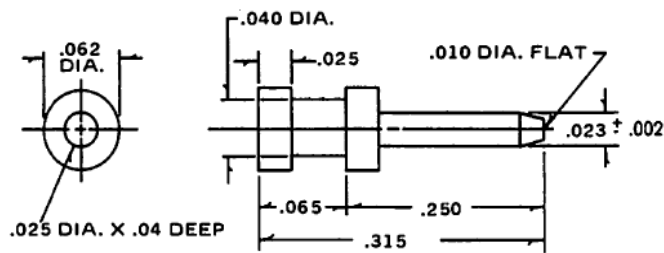
### Swage Mount



RECOMMENDATIONS	
BD THICK	MTG HOLE
.094	+ .003 .062 - .001

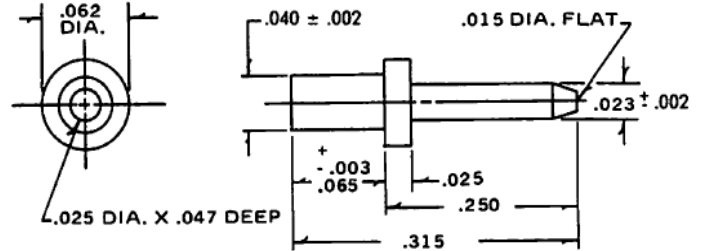
PART No. 7711

### Solder Mount



PART No. 7712

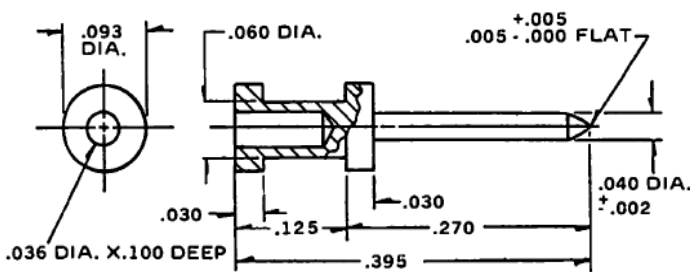
### Swage Mount



RECOMMENDATIONS	
BD THICK	MTG HOLE
.031	+ .003 .042 - .001

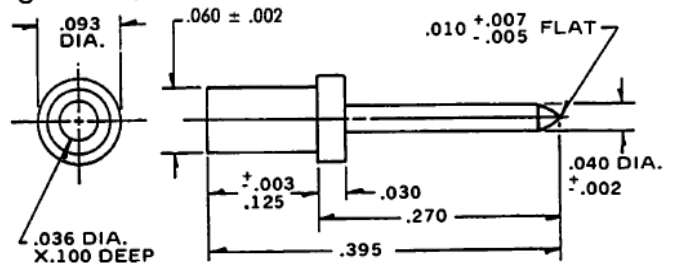
PART No. 7713 A

### Solder Mount



PART No. 7714

### Swage Mount



RECOMMENDATIONS	
BD THICK	MTG HOLE
.094	+ .003 .062 - .001

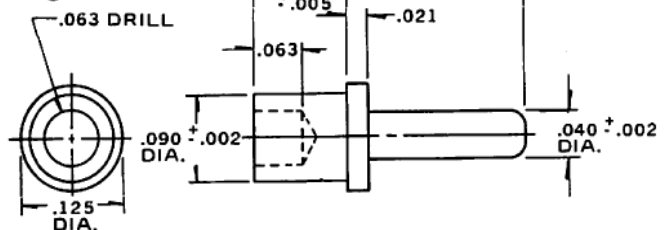
PART No. 7715

### METRIC CONVERSION CHART (Pg. 38 & 39)

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.032	.82	.075	1.91	.145	3.69
.002	.05	.036	.92	.078	1.98	.155	3.93
.003	.08	.040	1.02	.080	2.04	.156	3.96
.005	.13	.042	1.06	.082	2.09	.165	4.19
.007	.18	.047	1.20	.090	2.29	.173	4.40
.010	.25	.050	1.27	.093	2.36	.177	4.50
.015	.38	.051	1.30	.094	2.39	.188	4.77
.020	.51	.058	1.48	.100	2.54	.200	5.03
.021	.53	.060	1.52	.105	2.66	.213	5.41
.022	.55	.062	1.58	.110	2.79	.250	6.35
.023	.59	.063	1.60	.113	2.87	.257	6.53
.025	.64	.065	1.65	.125	3.18	.270	6.86
.030	.76	.070	1.77	.135	3.42	.315	8.00
.031	.79	.072	1.82	.141	3.58	.395	10.03

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

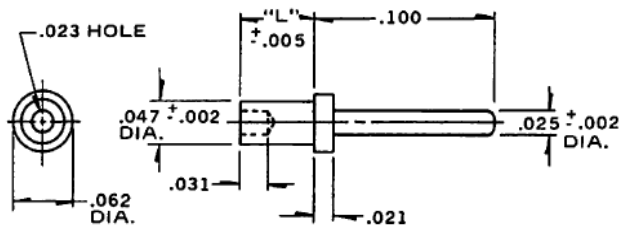
### Swage Mount



ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7717 A	.075	.032	+ .003
7717 B	.105	.063	.094 ± .001
7717 C	.135	.094	
7717 D	.165	.125	

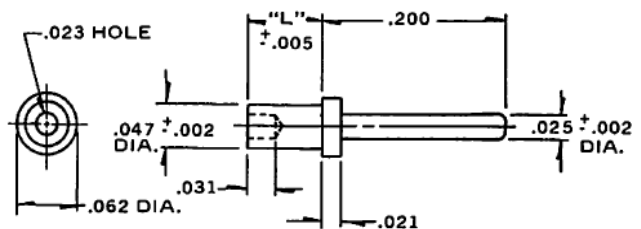
PART No. 7717

## Pins



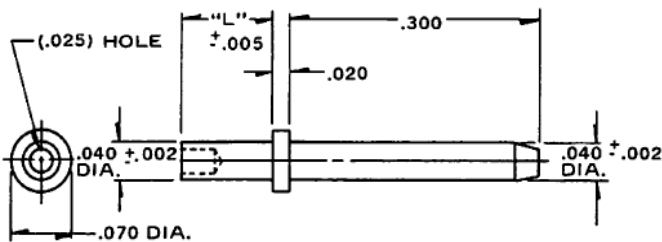
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7719 A	.051	.032	+.003
7719 B	.082	.063	.050 -.001
7719 C	.113	.094	
7719 D	.145	.125	

PART No. 7719



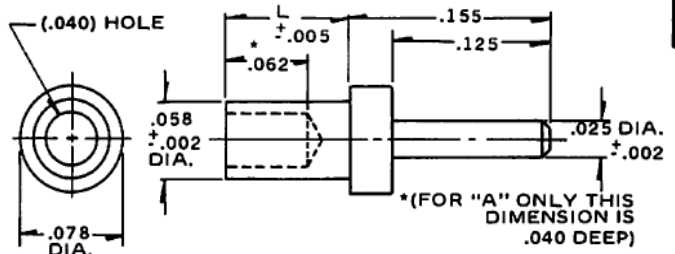
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7720 A	.051	.032	+.003
7720 B	.082	.063	.050 -.001
7720 C	.113	.094	
7720 D	.145	.125	

PART No. 7720



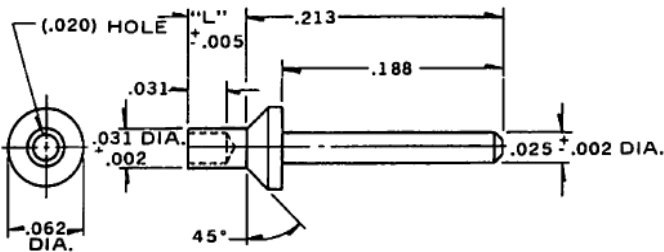
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7721 A	.051	.032	+.003
7721 B	.082	.063	.044 -.001
7721 C	.113	.093	
7721 D	.145	.125	

PART No. 7721



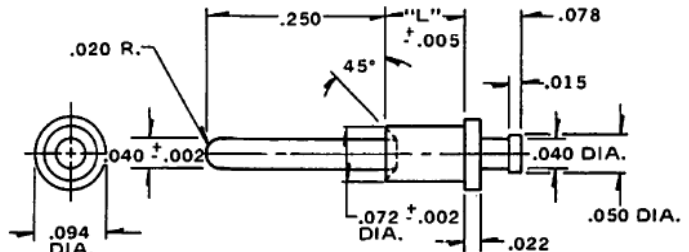
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7722 A	.062	.032	+.003
7722 B	.094	.063	.062 -.001
7722 C	.125	.093	
7722 D	.156	.125	

PART No. 7722



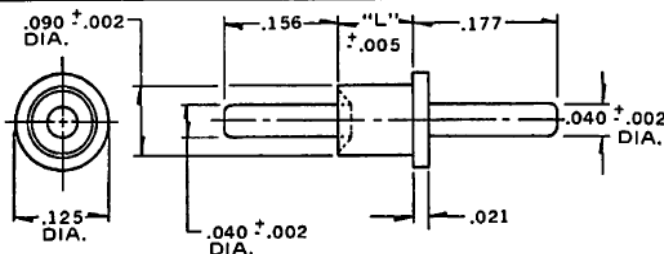
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7723 A	.047	.032	+.003
7723 B	.078	.062	.034 -.001
7723 C	.110	.094	
7723 D	.141	.125	

PART No. 7723



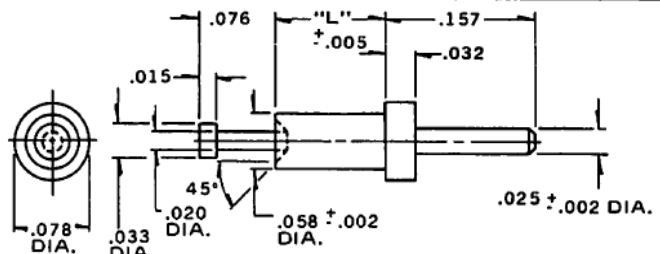
ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7716 A	.051	.032	+.003
7716 B	.082	.063	.076 -.001
7716 C	.113	.094	
7716 D	.145	.125	

PART No. 7716



ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7718 A	.075	.032	+.003
7718 B	.105	.063	.094 -.001
7718 C	.135	.093	
7718 D	.165	.125	

PART No. 7718



ORDER BY PART NO.	L DIM.	RECOMMENDATIONS	
		BD THICK	MTG HOLE
7724 A	.051	.032	+.003
7724 B	.082	.063	.062 -.001
7724 C	.113	.094	
7724 D	.145	.125	

PART No. 7724

SPECIFICATIONS COMMON

STANDARD PLATING:

TERMINAL

-7

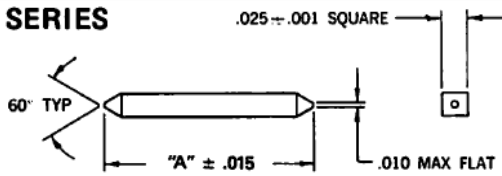


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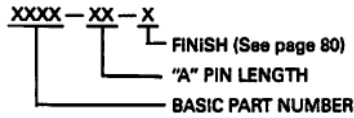
# Pin

## 7025 SERIES



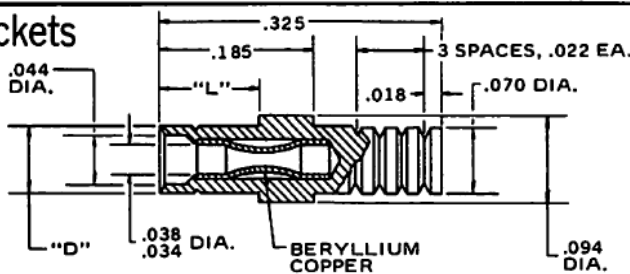
## .025 SQUARE PINS

PART NUMBER	- A -
7025-25	.250
7025-31	.312
7025-38	.375
7025-44	.437
7025-50	.500
7025-56	.562
7025-62	.625
7025-69	.687
7025-75	.750
7025-81	.812
7025-88	.875
7025-94	.937
7025-100	1.000
7025-106	1.062
7025-112	1.125
7025-119	1.187
7025-125	1.250



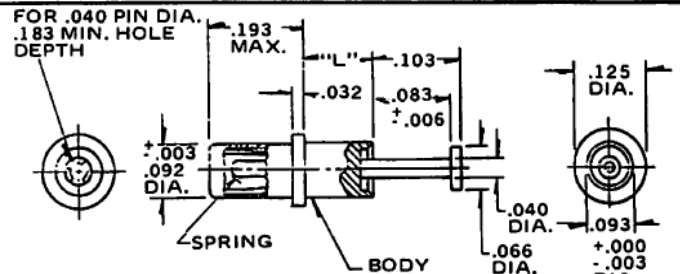
MATERIAL: PHOSPHOR BRONZE  
FINISH: GOLD .00002 TO .00003 THICK  
OVER COPPER STRIKE REF USECO-7

# Sockets



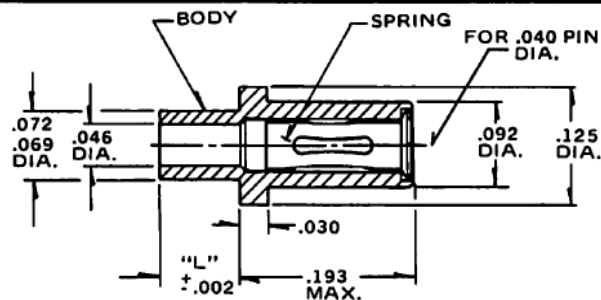
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS	
			BD THICK	MTG HOLE
7780C	+.001 .070	.125	.093	+.003 .073 -.000

MATES WITH 7710, 7711, 7712, 7713      PART No. 7780



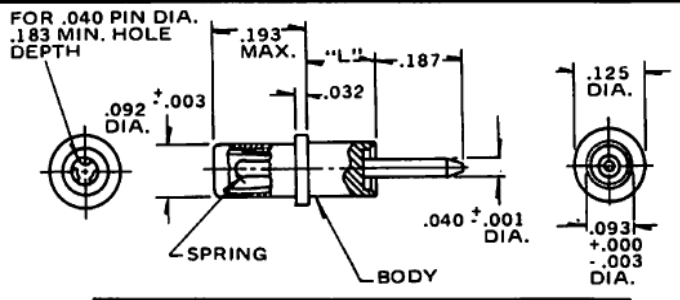
TABULATION			TABULATION		
LTR. SER.	'L' LENGTH	BOARD THK.	LTR. SER.	'L' LENGTH	BOARD THK.
7781 A	.062	.032	7781 D	.156	.125
7781 B	.094	.062	7781 E	.219	.187
7781 C	.125	.094			

PART No. 7781



TABULATION			TABULATION		
LTR. SER.	'L' LENGTH	BOARD THK.	LTR. SER.	'L' LENGTH	BOARD THK.
7782 A	.053	.031	7782 C	.115	.094
7782 B	.084	.062	7782 D	.147	.125

PART No. 7782



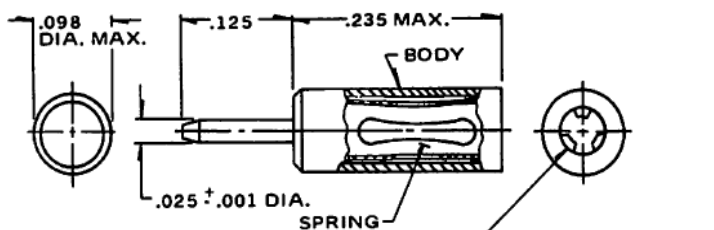
TABULATION			TABULATION		
LTR. SER.	'L' LENGTH	BOARD THK.	LTR. SER.	'L' LENGTH	BOARD THK.
7783 A	.062	.032	7783 D	.156	.125
7783 B	.094	.062	7783 E	.219	.187
7783 C	.125	.094			

PART No. 7783

### METRIC CONVERSION CHART COMMON TO PAGES 40 & 41

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.044	1.12	.082	2.09	.147	3.74
.002	.05	.045	1.14	.083	2.11	.150	3.81
.003	.08	.046	1.16	.084	2.14	.153	3.89
.005	.13	.051	1.30	.085	2.17	.156	3.96
.006	.16	.053	1.35	.088	2.24	.157	3.99
.010	.25	.058	1.47	.090	2.29	.180	4.58
.015	.38	.059	1.50	.092	2.34	.183	4.65
.018	.46	.060	1.53	.093	2.38	.185	4.69
.019	.49	.061	1.54	.094	2.39	.187	4.75
.020	.51	.062	1.58	.095	2.42	.188	4.77
.022	.55	.063	1.60	.098	2.48	.190	4.83
.025	.64	.066	1.67	.100	2.54	.193	4.80
.028	.71	.069	1.76	.103	2.62	.195	4.96
.030	.76	.070	1.77	.112	2.85	.200	5.08
.031	.79	.072	1.82	.113	2.87	.219	5.57
.032	.82	.073	1.85	.115	2.92	.221	5.62
.033	.83	.074	1.89	.125	3.18	.235	5.96
.034	.87	.075	1.91	.140	3.56	.281	7.14
.036	.92	.077	1.96	.141	3.59	.325	8.25
.038	.96	.078	1.98	.144	3.65	.489	12.42
.040	1.02	.080	2.03	.145	3.69		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



PART No. 7784



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STANDARD PLATING: THIS PAGE

STANDARD PLATING:

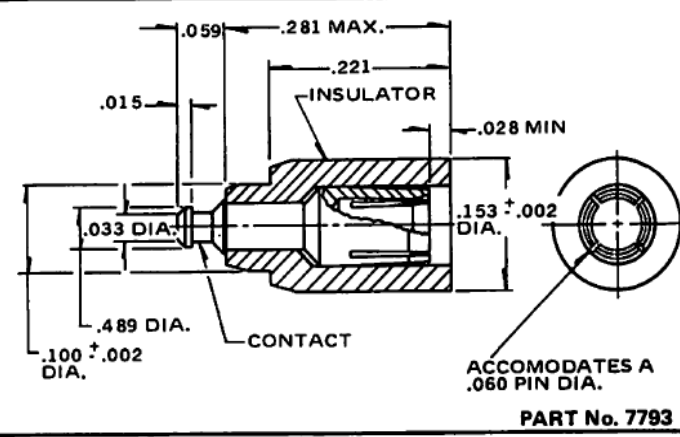
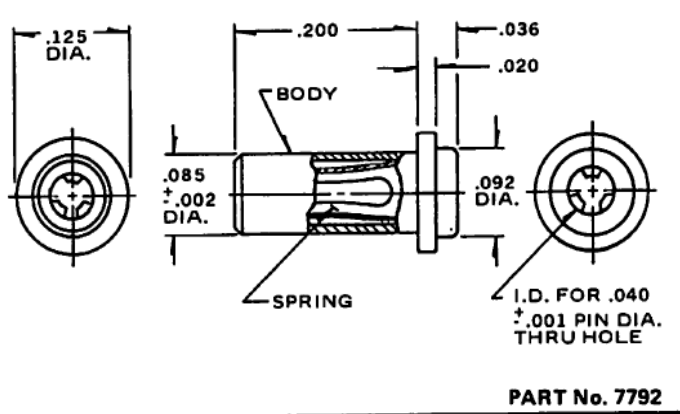
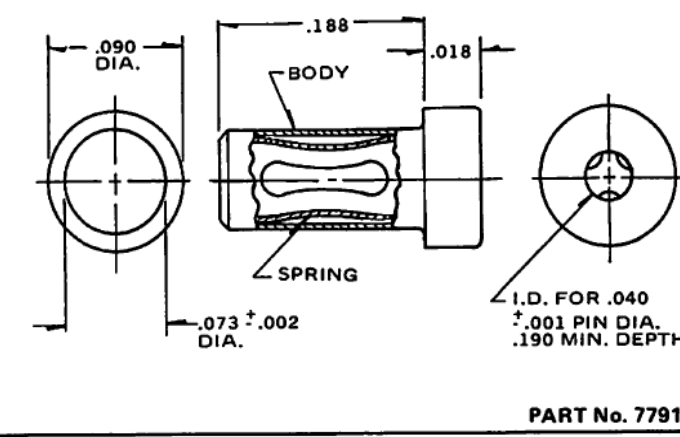
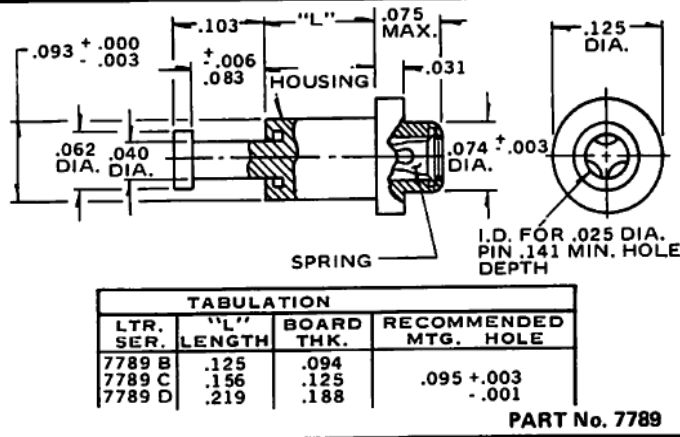
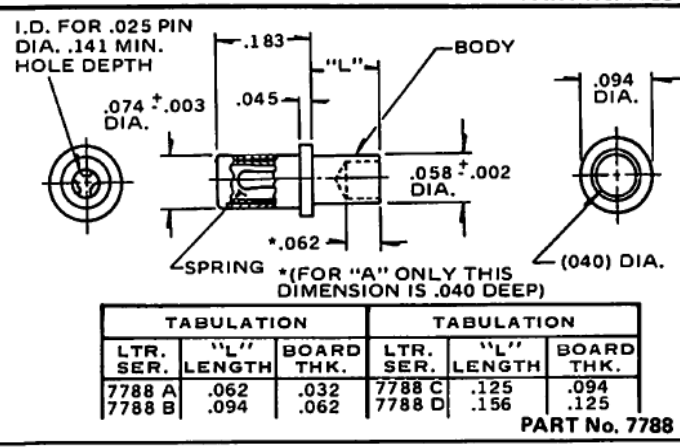
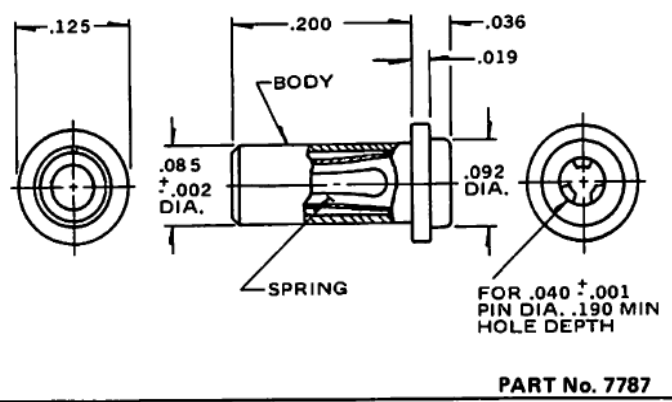
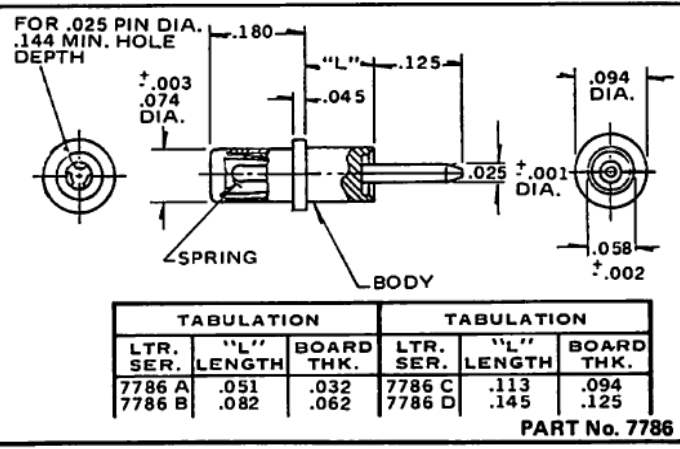
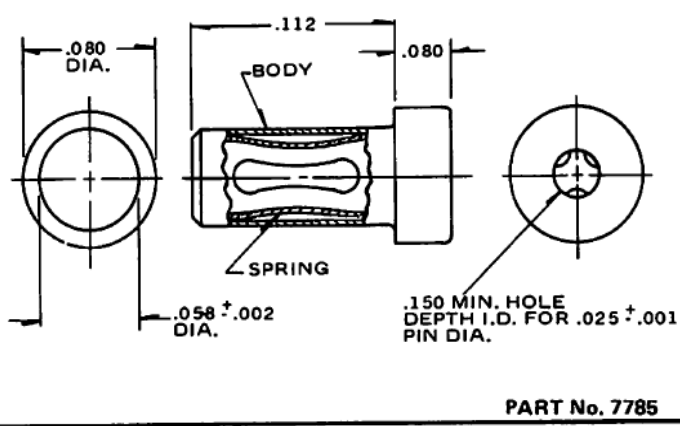
Angic Global Solutions

1-888-872-0690

<https://www.AngicGlobal.com> Sales@AngicGlobal.com (E PLATING)



## Sockets



SPECIFICATIONS COMMON AGE

STANDARD PLATING:

HOUSING

SPRING

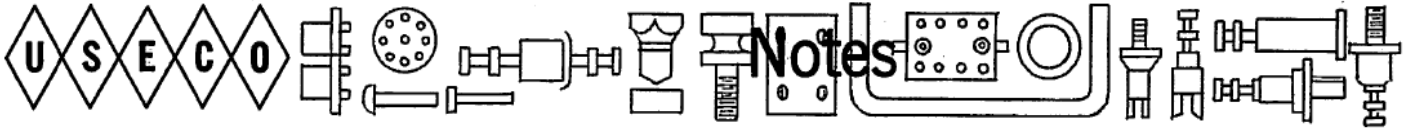


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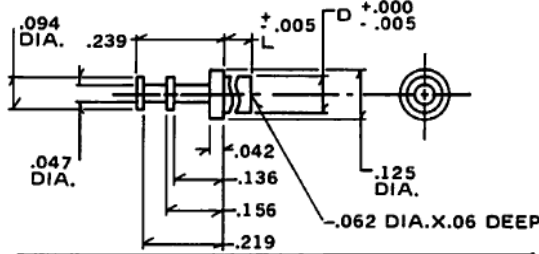
1-888-872-0690

TOLE: <https://www.AngicGlobal.com> Sales@AngicGlobal.com



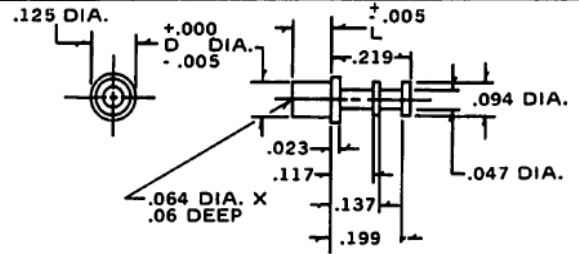


Turret Solid



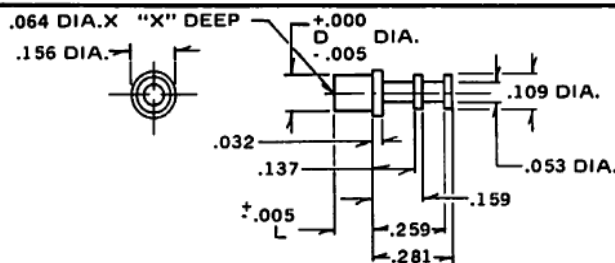
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1280 A	.091 DIA.	.075	.031	+.003	1280
1280 B		.105	.062	.093	
1280 C		.135	.094	DIA.	
1280 D		.165	.125	-.001	

PART No. 1280



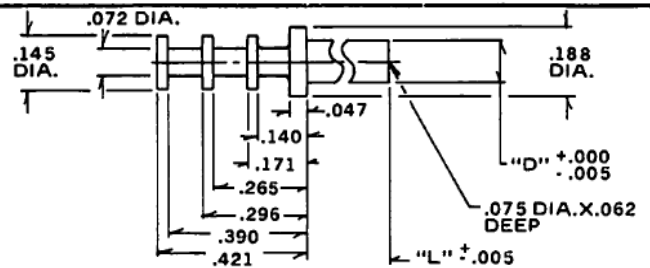
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1281 A	.090 DIA.	.078	.031	+.003	1281
1281 B		.109	.062	.092	
1281 C		.140	.094	-.001	
1281 D		.171	.125		

PART No. 1281



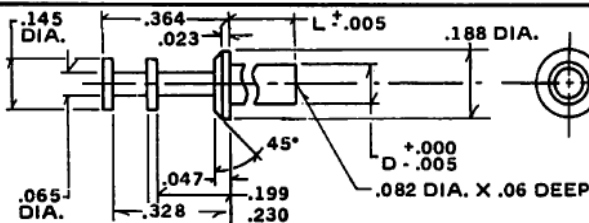
ORDER BY PART NO.	D NOM.	'X' NOM.	L NOM.	RECOMMENDATIONS		
				BD THICK	MTG HOLE	SWAGE TOOL
1282 A	.090 DIA.	.060	.078	.031	+.003	1282
1282 B		.094	.109	.062	.092	
1282 C		.094	.140	.094	DIA.	

PART No. 1282



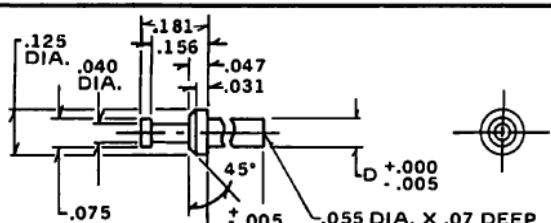
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1299 B	.114 DIA.	.105	.062	+.003	1299
1299 C		.135	.094	.116	
1299 D		.165	.125	-.001	

PART No. 1299



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS			MAX TORQUE ON 4-40 THD
			BD THICK	MTG HOLE	SWAGE TOOL	
1300 A	.114 DIA.	.075	.031	+.003	1300	4.00 in lbs.
1300 B		.105	.062	.116		
1300 C		.135	.094	-.001		
1300 D		.165	.125	DIA.		
1300 T	4-40 THD.	.188	4-40	.120	THD OR	.120 CLEARANCE HOLE

1300T supplied with .188 hex across flats and thread relief  
PART No. 1300



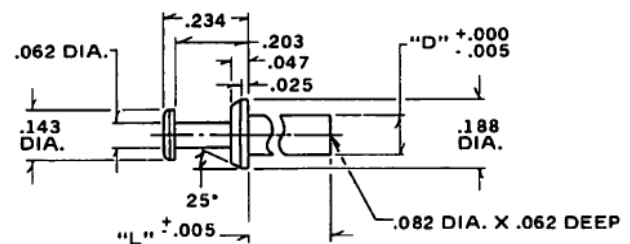
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS			MAX TORQUE ON 2-56 THD
			BD THICK	MTG HOLE	SWAGE TOOL	
1340 A	.079 DIA.	.075	.031	+.003	1340	2.25 in lbs.
1340 B		.105	.062	.081		
1340 C		.135	.094	-.001		
1340 D		.165	.125	DIA.		
1340 T	2-56 THD.	.125	.094	2-56	THD	HOLE OR .094 CLEARANCE HOLE

1340T supplied with .125 hex across flats and thread relief  
PART No. 1340

METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.07	1.78	.117	2.97	.203	5.16
.003	.08	.072	1.83	.120	3.05	.219	5.56
.005	.13	.075	1.91	.125	3.18	.230	5.84
.023	.58	.078	1.98	.135	3.43	.234	5.94
.025	.64	.079	2.01	.136	3.45	.239	6.07
.031	.79	.081	2.06	.137	3.48	.259	6.58
.032	.81	.082	2.08	.140	3.56	.265	6.73
.040	1.02	.090	2.29	.143	3.63	.281	7.14
.042	1.07	.091	2.31	.145	3.69	.296	7.52
.047	1.19	.092	2.34	.156	3.96	.328	8.33
.053	1.35	.093	2.36	.159	4.04	.364	9.25
.055	1.40	.094	2.39	.165	4.19	.390	9.91
.06	1.52	.105	2.67	.171	4.34	.421	10.69
.062	1.58	.109	2.77	.181	4.60		
.064	1.63	.114	2.90	.188	4.77		
.065	1.65	.116	2.95	.199	5.05		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

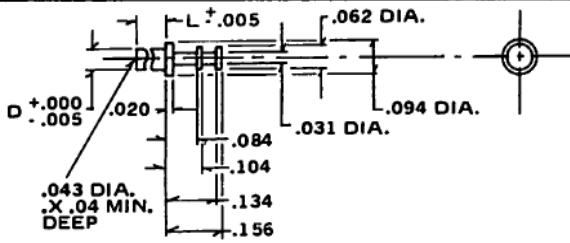


ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1350 B	.114 DIA.	.105	.062	+.003	1350
1350 C		.135	.094	.116	
1350 D		.165	.125	DIA.	

PART No. 1350

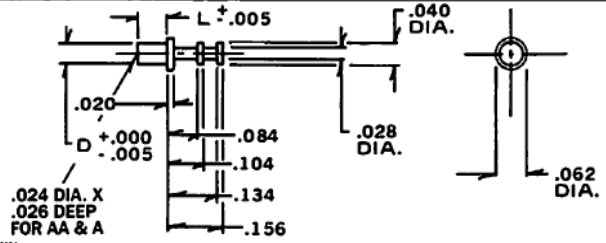
# Non Insulated Terminals & Eyelets USECO

## Turret Solid



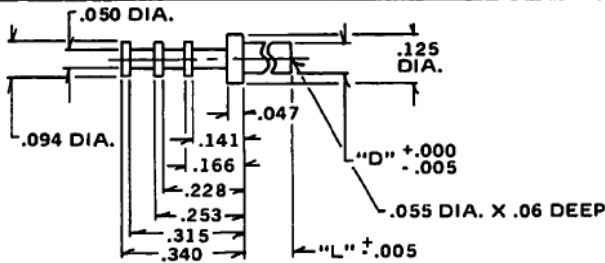
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2030 A	.062 DIA.	.053	.031	+.003	2030
2030 B		.084	.062	.064	
2030 C		.115	.094	DIA.	
2030 D		.147	.125	-.001	

PART No. 2030



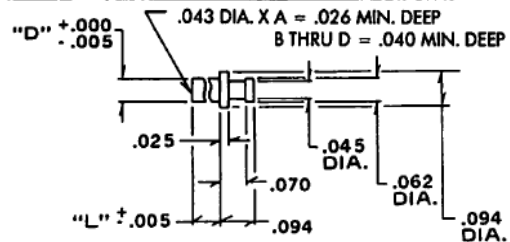
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2031 AA	.042 DIA.	.037	.016	+.003	2031
2031 A		.053	.031	.044	
2031 B		.084	.062	-.001	
2031 C		.115	.094		
2031 D		.147	.125		

PART No. 2031



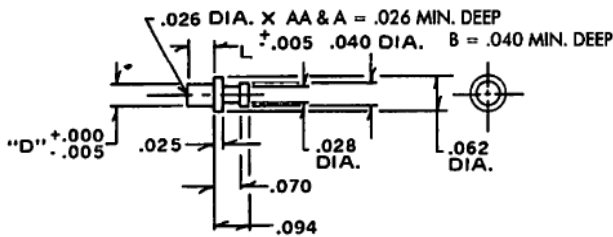
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2035 A	.089 DIA.	.075	.031	+.003	2035
2035 B		.105	.062	.091	
2035 C		.135	.094	-.001	
2035 D		.165	.125		

PART No. 2035



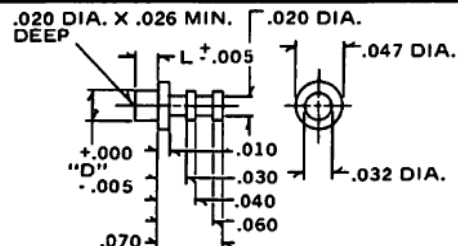
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2060 A	.063 DIA.	.053	.031	+.003	2060
2060 B		.084	.062	.065	
2060 C		.115	.094	DIA.	
2060 D		.147	.125	-.001	

PART No. 2060



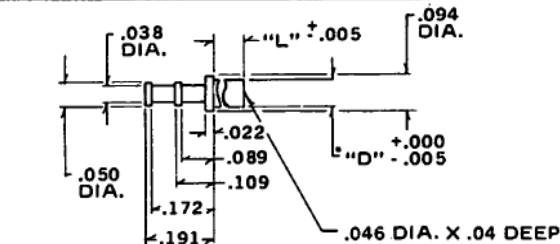
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2061 AA	.042 DIA.	.037	.016	+.003	2061
2061 A		.053	.031	.044	
2061 B		.084	.062	-.001	

PART No. 2061



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2064 A	.032 DIA.	.053	.031	+.003	2064
2064 B		.084	.062	-.001	
2064 C		.115	.094		

PART No. 2064



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2520 A	.073 DIA.	.053	.031	+.003	2520
2520 B		.084	.062	.075	
2520 C		.115	.094	-.001	
2520 D		.147	.125	DIA.	

PART No. 2520

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.037	.94	.063	1.60	.134	3.40
.003	.08	.038	.96	.064	1.63	.135	3.43
.005	.13	.040	1.02	.070	1.78	.141	3.58
.010	.25	.042	1.07	.073	1.85	.147	3.73
.016	.41	.043	1.09	.075	1.91	.156	3.96
.020	.50	.044	1.12	.084	2.13	.165	4.19
.022	.56	.045	1.14	.089	2.26	.166	4.22
.025	.64	.046	1.17	.091	2.31	.172	4.37
.026	.66	.047	1.19	.094	2.39	.191	4.85
.028	.71	.050	1.27	.104	2.64	.228	5.79
.030	.77	.053	1.35	.105	2.67	.253	6.43
.031	.79	.055	1.40	.109	2.77	.315	8.00
.032	.81	.060	1.52	.115	2.92	.340	8.64
.034	.86	.062	1.58	.125	3.18		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

STANDARD PLATING: TERMINAL -1

SPECIFICATIONS COMMON TO ALL



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Angic Global Solutions

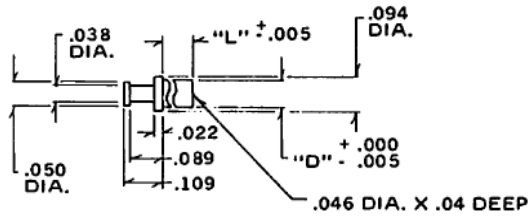
1-888-872-0690

TOLERANCE

<https://www.AngicGlobal.com>

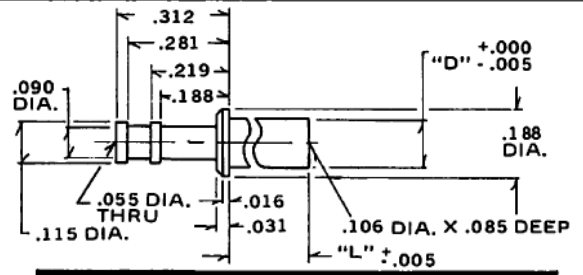
Sales@AngicGlobal.com

## Turret Solid



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2540 A 2540 B	.073 DIA.	.053 .084	.031 .062	+.003 .075 -.001 DIA.	2540

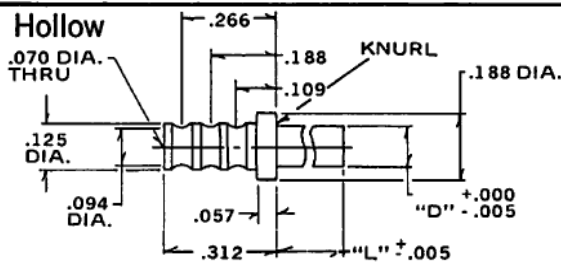
PART No. 2540



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1330 B 1330 C 1330 D	.135 DIA.	.105 .135 .165	.062 .094 .125	+.003 .137 -.001 DIA.	1330

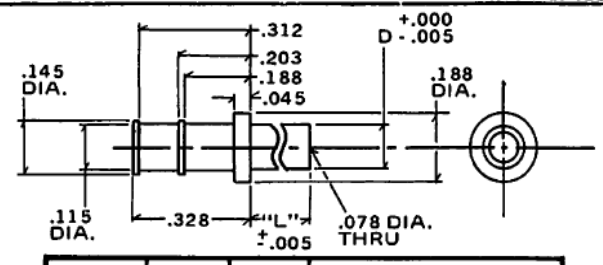
PART No. 1330

## Turret Hollow



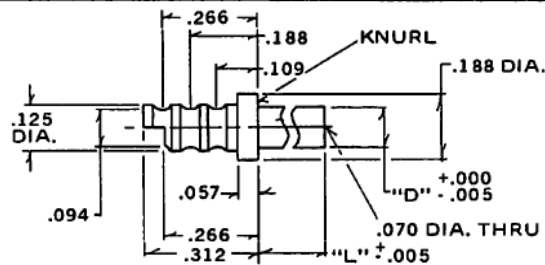
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1260 B 1260 C 1260 D	.114 DIA.	.105 .135 .165	.062 .094 .125	+.003 .116 -.001 DIA.	1260

PART No. 1260



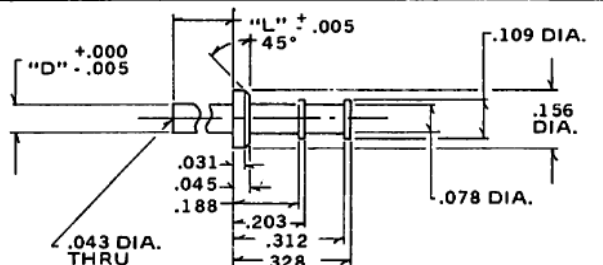
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1200 A 1200 B 1200 C 1200 D	.114 DIA.	.075 .105 .135 .165	.031 .062 .094 .125	+.003 .116 DIA. -.001	1200

PART No. 1200



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1380 B 1380 C 1380 D	.114 DIA.	.105 .135 .165	.062 .094 .125	+.003 .116 DIA. -.001	1380

PART No. 1380



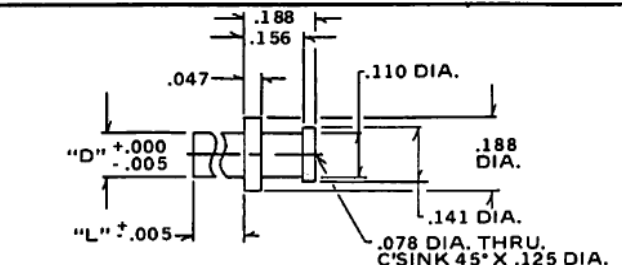
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1390 A 1390 B 1390 C 1390 D	.079 DIA.	.075 .105 .135 .165	.031 .062 .094 .125	+.003 .081 DIA. -.001	1390

PART No. 1390

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.053	1.35	.090	2.29	.137	3.48
.003	.08	.055	1.40	.094	2.39	.141	3.58
.005	.13	.057	1.45	.105	2.67	.145	3.69
.016	.41	.062	1.58	.106	2.69	.156	3.96
.022	.56	.070	1.78	.109	2.77	.165	4.19
.031	.79	.073	1.85	.110	2.79	.188	4.77
.038	.96	.075	1.91	.111	2.82	.203	5.16
.04	1.02	.078	1.98	.113	2.87	.219	5.56
.043	1.09	.079	2.01	.114	2.90	.266	6.76
.045	1.14	.081	2.06	.115	2.92	.281	7.14
.046	1.17	.084	2.13	.116	2.95	.312	7.92
.047	1.19	.085	2.16	.125	3.18	.328	8.33
.050	1.27	.089	2.26	.135	3.43		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

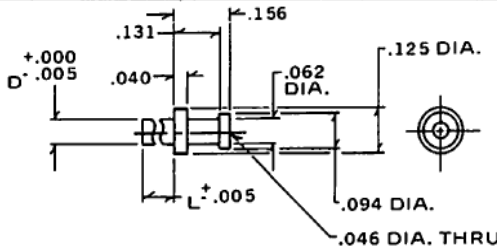


ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1392 A 1392 B 1392 C 1392 D	.111 DIA.	.075 .105 .135 .165	.031 .062 .094 .125	+.003 .113 DIA. -.001	1392

PART No. 1392

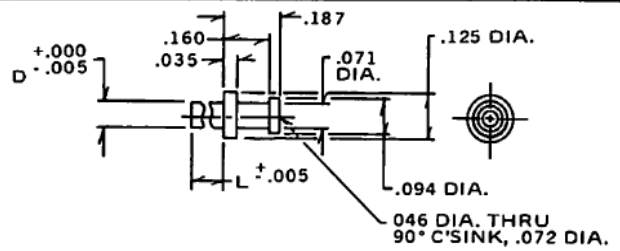
# Non-Insulated Terminals & Eyelets **USECO**

## Turret Hollow



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2010 AA		.037	.016		
2010 A		.053	.031	+.003	
2010 B	.063 DIA.	.084	.062	.065	2010
2010 C		.115	.094		
2010 D		.147	.125	-.001	

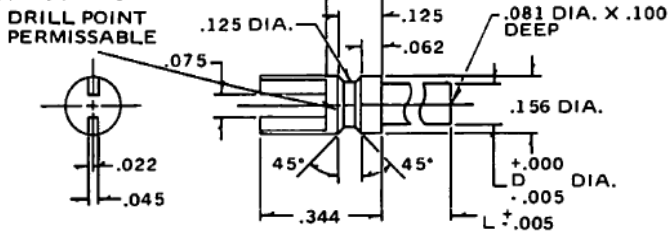
PART No. 2010



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2011 A		.053	.031	+.003	
2011 B	.073 DIA.	.084	.062	.075	2011
2011 C		.115	.094		

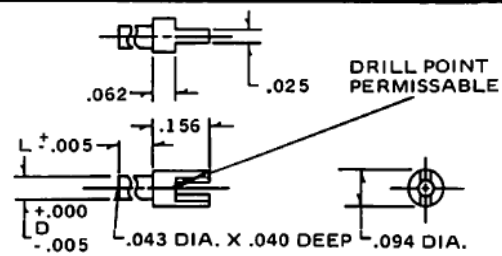
PART No. 2011

## Bifurcated Solid



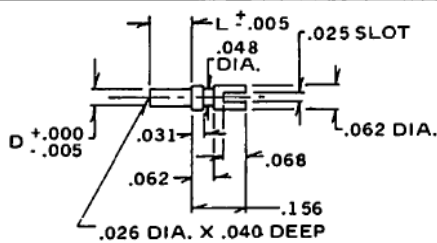
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1304 B		.105	.062		
1304 C		.135	.094	+.003	
1304 D	.110 DIA.	.165	.125	.112	1304

PART No. 1304



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2003 A		.053	.031	+.003	
2003 B	.063 DIA.	.084	.062	.065	2003

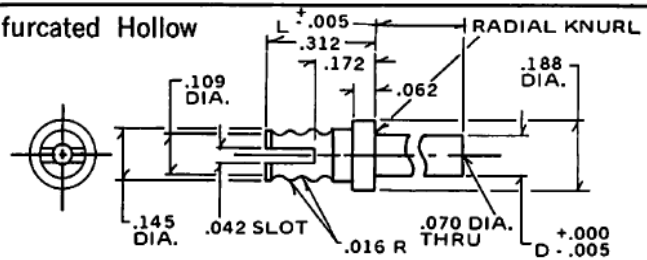
PART No. 2003



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2023 A		.053	.031	+.003	
2023 B	.048 DIA.	.084	.062	.050	2023
2023 C		.115	.094	-.001	

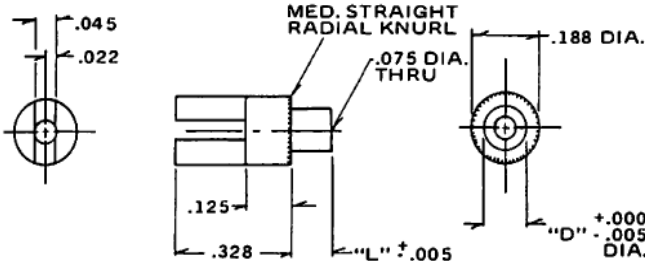
PART No. 2023

## Bifurcated Hollow



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1250 B		.105	.062	+.003	
1250 C	.114 DIA.	.135	.094	.116	1250
1250 D		.165	.125	-.001	

PART No. 1250



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1308 B		.105	.062	+.003	
1308 C	.114 DIA.	.135	.094	.116	1308
1308 D		.165	.125	-.001	

PART No. 1308

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.046	1.17	.081	2.06	.145	3.69
.003	.08	.048	1.22	.084	2.13	.147	3.74
.005	.13	.050	1.27	.094	2.39	.156	3.96
.016	.41	.053	1.35	.100	2.54	.160	4.07
.022	.56	.062	1.58	.105	2.68	.165	4.19
.025	.64	.063	1.60	.109	2.77	.172	4.37
.026	.66	.064	1.64	.110	2.79	.187	4.75
.031	.79	.065	1.65	.112	2.84	.188	4.77
.035	.89	.068	1.73	.114	2.90	.312	7.92
.037	.94	.070	1.78	.115	2.92	.328	8.33
.040	1.02	.071	1.80	.116	2.95	.344	8.74
.042	1.07	.072	1.83	.125	3.18		
.043	1.09	.073	1.85	.131	3.33		
.045	1.14	.075	1.91	.135	3.43		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

STANDARD PLATING: TERMINAL -1



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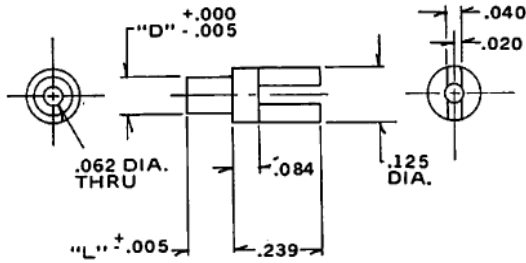
TOLERA

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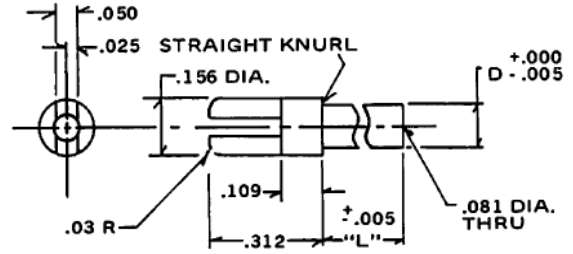
# Non-Insulated Terminals & Eyelets

## Bifurcated Hollow



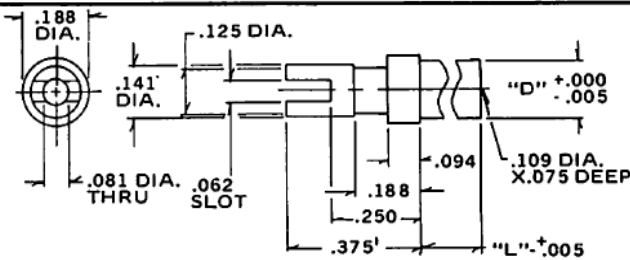
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1309 A	.091 DIA.	.075	.031	+.003	1309,
1309 B		.105	.062	.093	
1309 C		.135	.094	-.001	
1309 D		.165	.125		

PART No. 1309



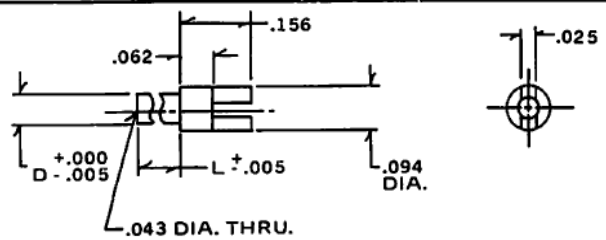
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1310 A	.114 DIA.	.075	.031	+.003	1310
1310 B		.105	.062	.116	
1310 C		.135	.094	DIA.	
1310 D		.165	.125	-.001	

PART No. 1310



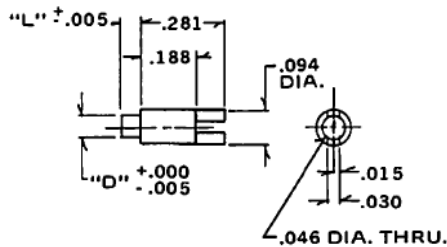
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1391 A	.151 DIA.	.075	.031	+.003	1391
1391 B		.105	.062	.153	
1391 C		.135	.094	DIA.	
1391 D		.165	.125	-.001	

PART No. 1391



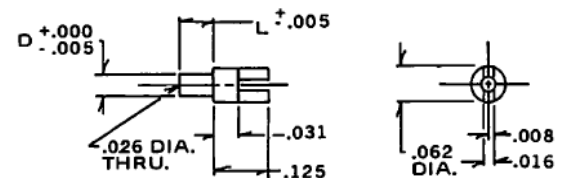
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2000 AA	.063 DIA.	.037	.016		2000
2000 A		.053	.031	+.003	
2000 B		.084	.062	.065	
2000 C		.115	.094	DIA.	
2000 D		.147	.125	-.001	

PART No. 2000



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2001 AA	.062 DIA.	.037	.016		2001
2001 A		.053	.031	+.003	
2001 B		.084	.062	.064	
2001 C		.115	.094	-.001	

PART No. 2001



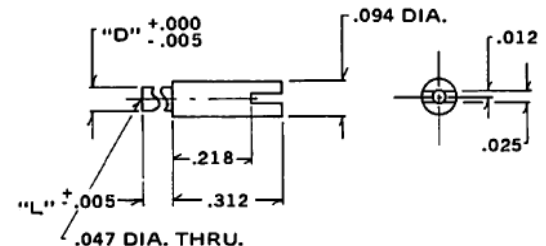
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2002 AA	.042 DIA.	.037	.016	+.003	2002
2002 A		.053	.031	.044	
2002 B		.084	.062	-.001	
2002 C		.115	.094		
2002 D		.147	.125		

PART No. 2002

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.037	.94	.081	2.06	.147	3.73
.003	.08	.040	1.02	.084	2.13	.151	3.84
.005	.13	.042	1.07	.091	2.31	.153	3.89
.008	.20	.043	1.09	.093	2.36	.156	3.96
.010	.25	.044	1.12	.094	2.39	.165	4.19
.012	.30	.046	1.17	.105	2.67	.188	4.77
.015	.38	.047	1.19	.109	2.77	.218	5.54
.016	.41	.050	1.27	.114	2.90	.239	6.07
.020	.51	.053	1.35	.115	2.92	.250	6.35
.025	.64	.062	1.58	.116	2.95	.281	7.14
.026	.66	.063	1.60	.125	3.18	.312	7.92
.030	.76	.064	1.63	.135	3.43	.375	9.53
.031	.79	.075	1.91	.141	3.58		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2005 A	.062 DIA.	.053	.031	+.003	2005
2005 B		.084	.062	.064	
2005 C		.115	.094	-.001	
2005 D		.147	.125		

PART No. 2005

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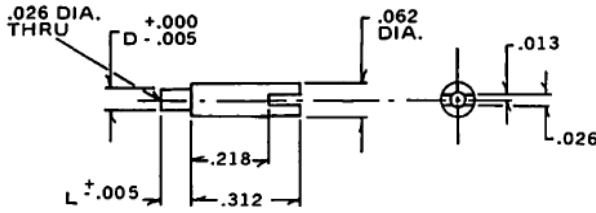
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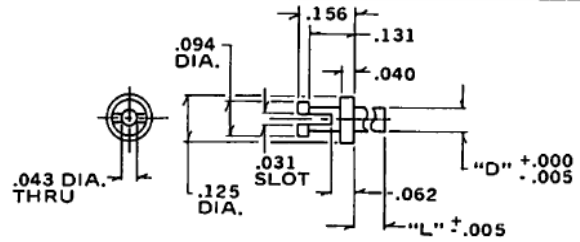
# Non Insulated Terminals & Eyelets USECO

## Bifurcated Hollow



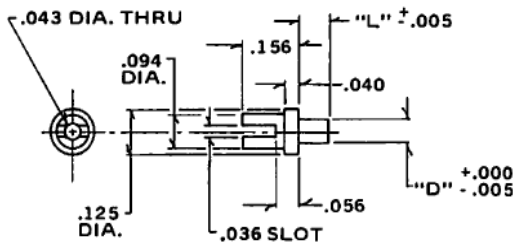
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2006 B	.042 DIA.	.084	.062	+ .003 .044 - .001	2006

PART No. 2006



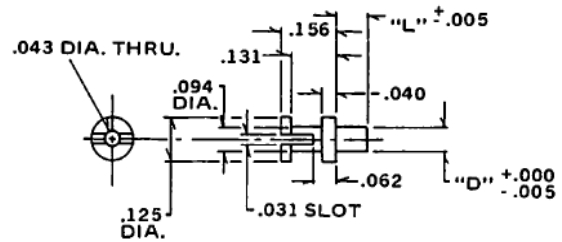
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2020 AA	.063 DIA.	.037	.016	+ .003	2020
2020 A		.053	.031	.065 DIA.	
2020 B		.084	.062	- .001	
2020 C		.115	.094		
2020 D		.147	.125		

PART No. 2020



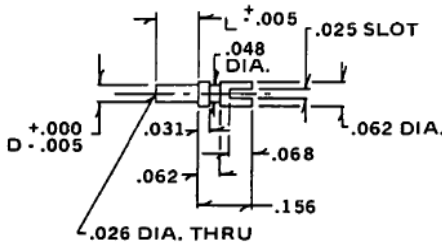
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2021 B	.063 DIA.	.084	.062	+ .003 .065	2021
2021 C		.115	.094	- .001	

PART No. 2021



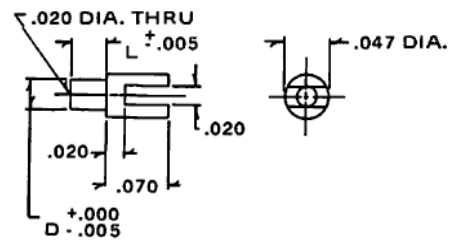
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2022 A	.063 DIA.	.053	.031	+ .003	2022
2022 B		.084	.062	.065	
2022 C		.115	.094	- .001	

PART No. 2022



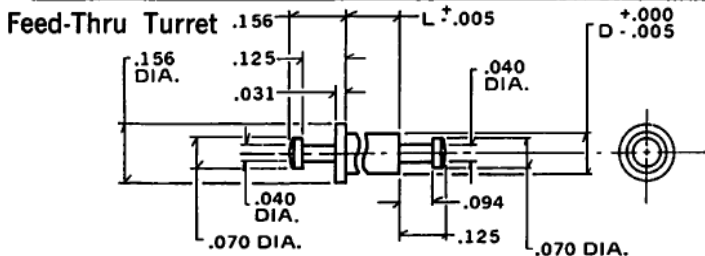
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2024 AA	.048 DIA.	.037	.016	+ .003	2024
2024 A		.053	.031	.050	
2024 B		.084	.062	- .001	
2024 C		.115	.094		

PART No. 2024



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2065 A	.032 DIA.	.053	.031	+ .003	2065
2065 B		.084	.062	.034	
2065 C		.115	.094	- .001	

PART No. 2065



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1290 B	.114 DIA.	.105	.062	+ .003	1290
1290 C		.135	.094	.116 DIA.	
1290 D		.165	.125	- .001	

PART No. 1290

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.034	.86	.058	1.47	.125	3.17
.003	.08	.037	.94	.062	1.57	.131	3.33
.005	.13	.040	1.02	.063	1.60	.135	3.43
.010	.25	.042	1.07	.064	1.63	.147	3.73
.013	.33	.043	1.09	.068	1.72	.156	3.96
.016	.41	.044	1.12	.070	1.78	.165	4.19
.020	.51	.047	1.19	.084	2.13	.218	5.54
.025	.63	.048	1.22	.094	2.39	.312	7.92
.026	.66	.050	1.27	.105	2.67		
.031	.79	.053	1.35	.114	2.90		
.032	.81	.056	1.42	.116	2.95		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

## Feed-Thru Turret

STANDARD PLATING:

TERMINAL -1

SPECIFICATIONS COMMON PAGE



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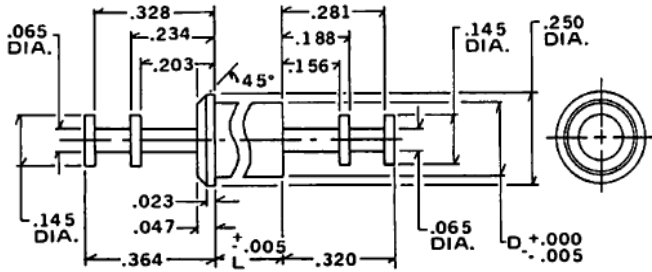
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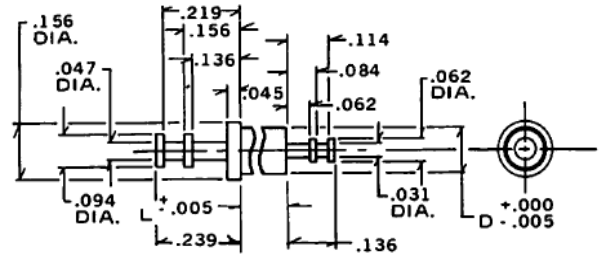


## Feed-Thru Turret



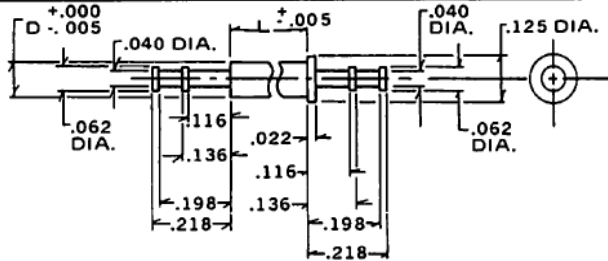
ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1360 C 1360 D	.204 DIA.	.135 .165	.094 .125	+ .003 .206 DIA. -.001	1360

PART No. 1360



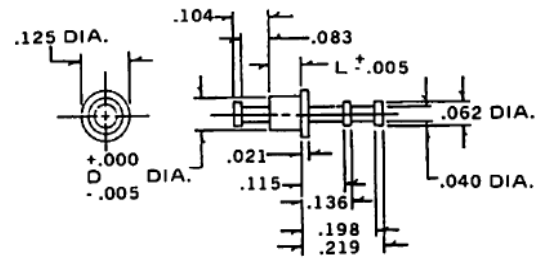
ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2040 A 2040 B 2040 C 2040 D	.126 DIA.	.075 .105 .135 .165	.031 .062 .094 .125	+ .003 .128 DIA. -.001	2040

PART No. 2040



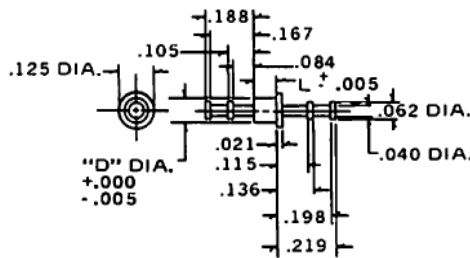
ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2500 A 2500 B 2500 C 2500 D	.091 DIA.	.053 .084 .115 .147	.031 .062 .094 .125	+ .003 .093 DIA. -.001	2500

PART No. 2500



ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2501 B 2501 C	.090 DIA.	.093 .125	.062 .093	+ .003 .092 DIA. -.001	2501

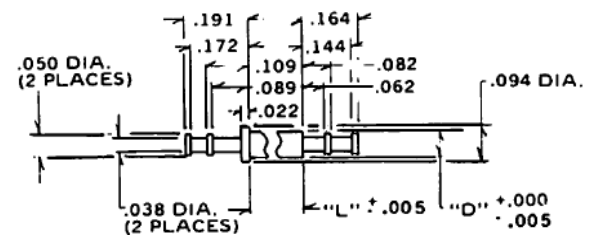
PART No. 2501



ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2502 B 2502 C	.090	.093 .125	.062 .093	+ .003 .092 DIA. -.001	2502

MS-17157-6 & 10

PART No. 2502



ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2509 A 2509 B 2509 C	.073 DIA.	.053 .084 .115	.031 .062 .094	+ .003 .075 DIA. -.001	2509

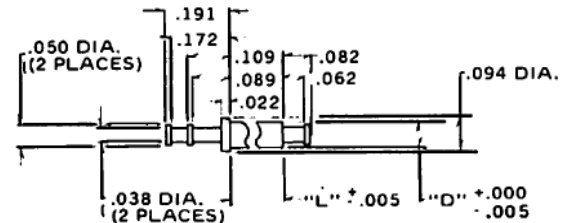
MS-17157-2, 5 & 9

PART No. 2509

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.065	1.65	.115	2.92	.191	4.86
.003	.08	.073	1.85	.125	3.18	.198	5.03
.005	.13	.075	1.91	.126	3.20	.203	5.16
.010	.25	.082	2.09	.128	3.25	.204	5.18
.021	.53	.083	2.11	.135	3.43	.205	5.21
.022	.55	.084	2.14	.136	3.45	.219	5.56
.023	.58	.089	2.26	.144	3.66	.234	5.94
.031	.79	.090	2.29	.145	3.68	.239	6.07
.038	.96	.092	2.34	.147	3.74	.250	6.35
.040	1.02	.093	2.36	.156	3.96	.281	7.13
.045	1.14	.094	2.39	.164	4.16	.315	8.00
.047	1.19	.104	2.65	.165	4.19	.328	8.33
.050	1.27	.105	2.66	.167	4.25	.364	9.26
.053	1.35	.109	2.77	.172	4.36		
.062	1.58	.114	2.90	.188	4.77		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



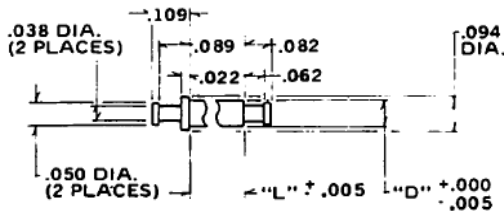
ORDER BY PART NO.	D	L	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2510 A 2510 B 2510 C 2510 D	.073 DIA.	.053 .084 .115 .147	.031 .062 .094 .125	+ .003 .075 DIA. -.001	2510

MS-17156-1, 4, 7 & 10

PART No. 2510

# Non-Insulated Terminals & Eyelets USECO

## Feed-Thru Turret

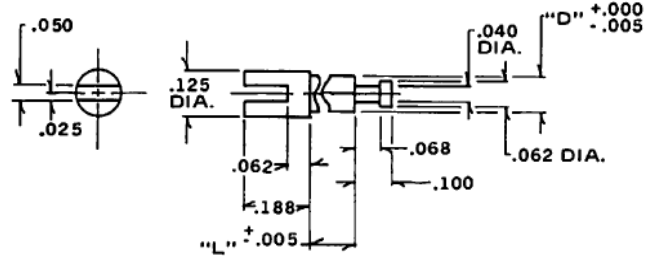


ORDER BY PART NO.	"D"	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2530 A	.073 DIA	.053	.031	+ .003	2530
2530 B		.084	.062	.075	
2530 C		.115	.094	-.001	
2530 D		.147	.125	DIA.	

MS-17155-2, 5, 8 & 11

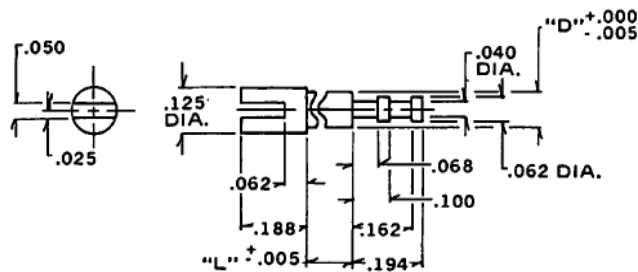
PART No. 2530

## Bifurcated Feed-Thru



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1315 B	.094 DIA.	.089	.062	+ .003	1315
1315 C		.120	.094	.096	
1315 D		.151	.125	-.001	

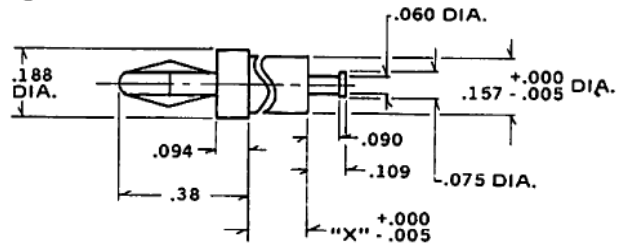
PART No. 1315



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
1316 B	.094 DIA.	.089	.062	+ .003	1316
1316 C		.120	.094	.096	
1316 D		.151	.125	-.001	

PART No. 1316

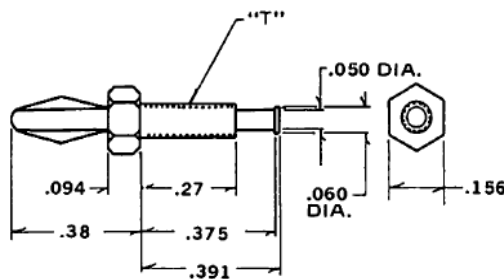
## Plugs



PART NO.	"X"	BD THICK	REC. NOM. RECEPTACLE DIA.
1705 D	.165	.125	.104

Mates With USECO Part No. 1700 & 1710

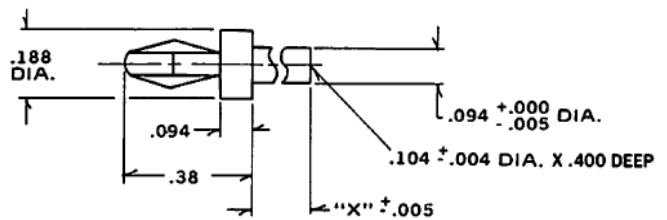
PART No. 1705



PART NO.	"T"	REC. NOM. RECEPTACLE DIA.
1715	2-56	.104

Mates With USECO Part No. 1700 & 1710

PART No. 1715

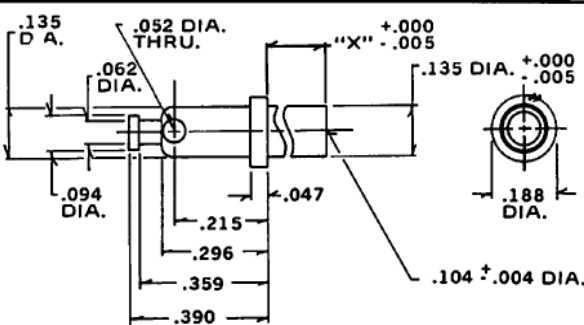


PART NO.	"X"	BD THICK	REC. NOM. RECEPTACLE DIA.
1781 B	.094	.062	.104
1781 D	.156	.125	.104

Mates With USECO Part No. 1700 & 1710

PART No. 1781

## Sockets



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1700 D	.165	.125			

PART No. 1700

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.050	1.27	.100	2.54	.194	4.93
.003	.08	.052	1.32	.104	2.64	.215	5.46
.004	.10	.053	1.35	.105	2.67	.234	5.94
.005	.13	.060	1.52	.109	2.77	.270	6.86
.010	.25	.062	1.58	.115	2.92	.296	7.52
.016	.41	.068	1.73	.125	3.18	.359	9.12
.022	.55	.075	1.91	.135	3.43	.375	9.53
.025	.64	.082	2.09	.147	3.74	.380	9.65
.031	.79	.084	2.14	.156	3.96	.390	9.91
.038	.96	.089	2.26	.157	3.99	.391	9.93
.040	1.10	.090	2.29	.162	4.11		
.045	1.14	.094	2.39	.165	4.19		
.047	1.19	.096	2.44	.188	4.77		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON PAGE

STANDARD PLATING:

TERMINAL -1

FOR

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TOLEF

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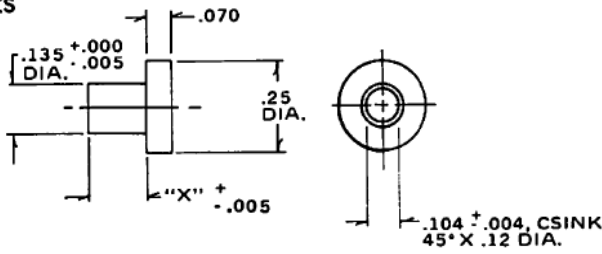
[Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)



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# USECO Non-Insulated Terminals & Eyelets

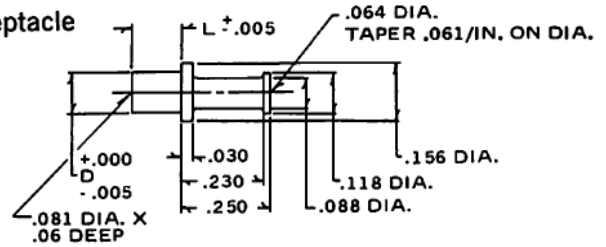
## Sockets



PART NO.	"X"	BD THICK	PART NO.	"X"	BD THICK
1710 D	.165	.125			

PART No. 1710D

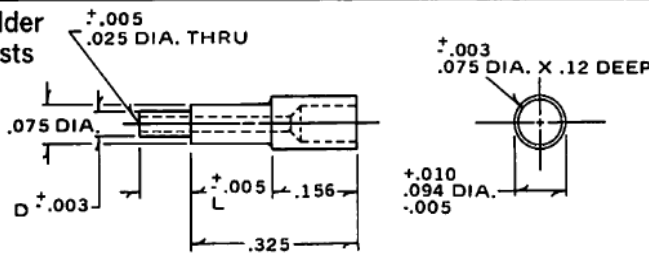
## Receptacle



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
2764 A		.078	.031	+.003	
2764 B		.109	.062	.114	
2764 C	DIA.	.141	.094	-.001	
2764 D		.172	.125		2764

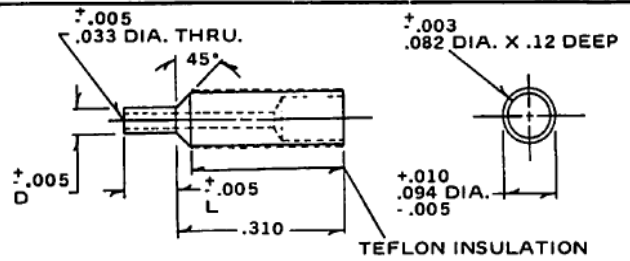
PART No. 2764

## Solder Posts



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7051 A		.045	.016	+.003	
7051 B		.060	.032	.043	
7051 C	DIA.	.092	.062	-.001	
7051 D		.132	.094		7051

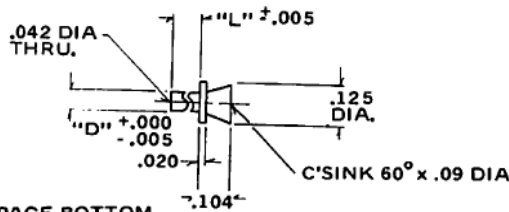
PART No. 7051



ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7052 A		.045	.016	+.003	
7052 B		.070	.032	.051	
7052 C	DIA.	.100	.062	DIA.	
7052 D		.132	.094	-.001	7052

PART No. 7052

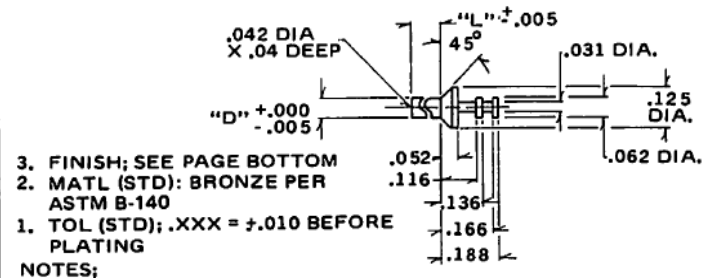
## PC TERMINALS



3. FINISH; SEE PAGE BOTTOM
2. MATL (STD): BRONZE PER ASTM B-140
1. TOL (STD); .XXX = ±.010 BEFORE PLATING

ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7001 A		.062	.031	.064 ±.003	Funnel
7001 B		.094	.062	-.001	7001
7001 C	DIA.	.125	.094		
7001 D		.156	.125		

PART No. 7001



3. FINISH; SEE PAGE BOTTOM
2. MATL (STD): BRONZE PER ASTM B-140
1. TOL (STD); .XXX = ±.010 BEFORE PLATING

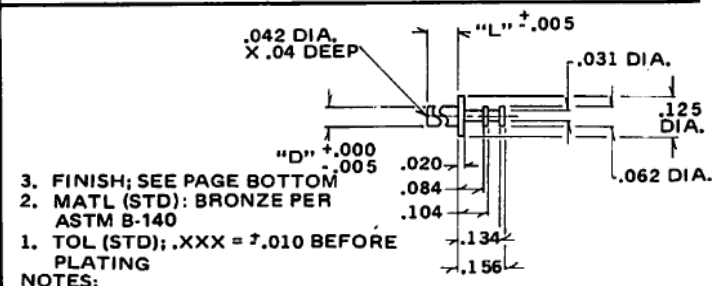
ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7030 A		.062	.031	.064 ±.003	Funnel
7030 B		.094	.062	-.001	7030
7030 C	DIA.	.125	.094		
7030 D		.156	.125		

PART No. 7030

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.001	.03	.042	1.07	.084	2.13	.134	3.40
.003	.08	.043	1.09	.088	2.23	.136	3.46
.004	.10	.045	1.14	.092	2.34	.141	3.59
.005	.13	.047	1.19	.094	2.38	.156	3.96
.010	.26	.052	1.32	.100	2.54	.165	4.19
.016	.41	.060	1.52	.104	2.64	.166	4.22
.020	.57	.061	1.55	.109	2.77	.172	4.37
.025	.64	.062	1.57	.112	2.85	.176	4.47
.030	.76	.063	1.60	.114	2.90	.188	4.77
.031	.79	.064	1.62	.116	2.95	.230	5.84
.032	.81	.070	1.78	.118	3.00	.250	6.35
.033	.84	.078	1.98	.120	3.05	.310	7.87
.038	.97	.081	2.06	.125	3.18	.325	8.25
.040	1.01	.082	2.08	.132	3.35		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



3. FINISH; SEE PAGE BOTTOM
2. MATL (STD): BRONZE PER ASTM B-140
1. TOL (STD); .XXX = ±.010 BEFORE PLATING

ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7031 A		.062	.031	.064 ±.003	Funnel
7031 B		.094	.062	-.001	7031
7031 C	DIA.	.125	.094		
7031 D		.156	.125		

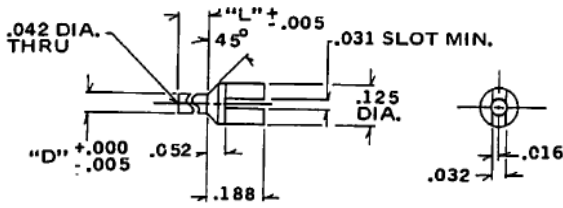
PART No. 7031

STANDARD P/N 7051, 7052, 7001 - 7030 & 7031  
PLATING: FINISH: - 7



# Non Insulated Terminals & Eyelets USECO

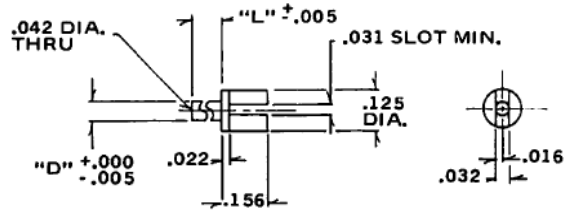
## PC Terminal



3. FINISH: SEE PAGE BOTTOM
2. MATL (STD): BRONZE PER ASTM B-140
1. TOL (STD): .XXX = ± .010 BEFORE PLATING

ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7040 A	.062 DIA.	.062	.031	.064 <sup>+.003</sup> DIA.	Funnel 7040
7040 B		.094			
7040 C		.125			
7040 D		.156			

PART No. 7040

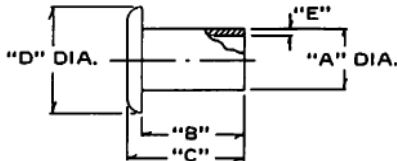


3. FINISH: SEE PAGE BOTTOM
2. MATL (STD): BRONZE PER ASTM B-140
1. TOL (STD): .XXX = ± .010 BEFORE PLATING

ORDER BY PART NO.	D NOM.	L NOM.	RECOMMENDATIONS		
			BD THICK	MTG HOLE	SWAGE TOOL
7041 A	.062 DIA.	.062	.031	.064 <sup>+.003</sup> DIA.	Funnel 7041
7041 B		.094			
7041 C		.125			
7041 D		.156			

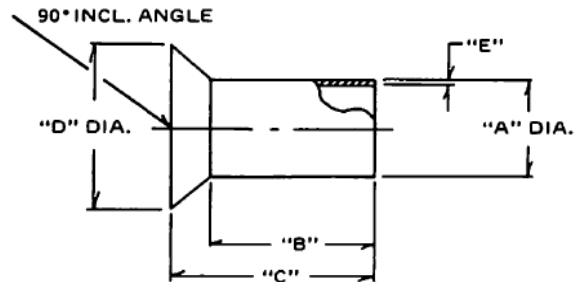
PART No. 7041

## Eyelets



PART NO.	A	B	C	D	E
7600A	.030	.062	.072	.060	.005
7600B	.030	.094	.103	.060	.005
7601A	.047	.062	.071	.070	.006
7601B	.047	.094	.103	.070	.006
7601C	.047	.125	.134	.070	.006
7601D	.047	.156	.165	.070	.006
7602A	.058	.062	.078	.105	.007
7602B	.058	.094	.109	.105	.007
7603B	.075	.094	.110	.125	.008
7604B	.090	.094	.113	.150	.009
7604C	.090	.125	.145	.150	.009
7604D	.090	.156	.176	.150	.009

PART No. 7600 – 7604



PART NO.	A	B	C	D	E
7650 A	.030	.051	.071	.059	.006
7650 B	.030	.082	.102	.059	.006
7651 A	.047	.054	.077	.080	.006
7651 B	.047	.085	.108	.080	.006
7651 C	.047	.117	.140	.080	.006
7651 D	.047	.148	.171	.080	.006
7652 A	.058	.068	.105	.110	.007
7652 B	.058	.099	.136	.110	.007
7653 B	.075	.095	.128	.125	.008
7653 C	.075	.127	.160	.125	.008

PART No. 7650 – 7653

## METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.005	.13	.058	1.47	.090	2.28	.134	3.40
.006	.15	.059	1.50	.094	2.39	.136	3.45
.007	.18	.060	1.52	.095	2.41	.140	3.55
.008	.20	.062	1.57	.099	2.51	.145	3.68
.009	.23	.063	1.60	.102	2.59	.148	3.76
.016	.41	.068	1.73	.103	2.61	.150	3.81
.022	.56	.070	1.78	.105	2.67	.156	3.96
.030	.76	.071	1.80	.108	2.74	.160	4.06
.031	.79	.072	1.83	.109	2.77	.165	4.19
.032	.81	.075	1.90	.110	2.80	.171	4.34
.042	1.07	.077	1.95	.113	2.87	.176	4.47
.047	1.19	.078	1.98	.117	2.97	.188	4.77
.051	1.30	.080	2.03	.125	3.17		
.052	1.32	.082	2.08	.127	3.22		
.054	1.37	.085	2.16	.128	3.25		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

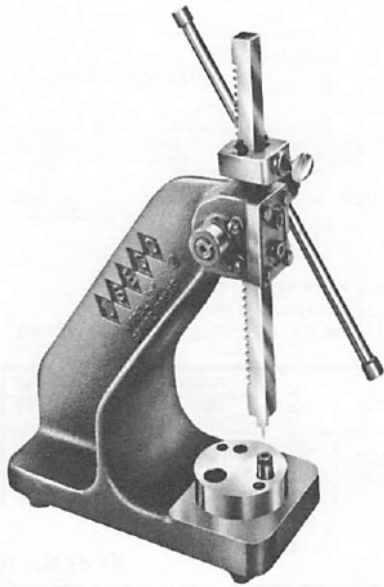
STANDARD P/N 7040, 7041, 7600 – 7604 & 7650 – 7653  
PLATING: FINISH: - 7

SPECIFICATIONS COMMON PAGE



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**MODEL "B" SWAGING MACHINE**

This press was designed to install all our standard USECO Products. Capabilities include the installation of our "Prestac" Self Punching components into .062 thick glass epoxy board or .062 thick Aluminum Alloy sheet up to a maximum tensile strength of 33,000 PSI. Exceptions are our Part No's 9025 and 9026 which have heavier installation requirements.

Basic rack and pinion design constructed of high strength steel casting and hardened steel components.

Just a few of the advantages of the Model "B" Press over a conventional press are :

1. Throat depth of 5 1/8".
2. Stroke depth of 6 3/4".
3. Adjustable platten that may be rotated to accept 1/2, 9/16 and 3/4 inch diameter bottom tools.
4. Adjustable stop for controlling the depth of the stroke.

**OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE USECO MODEL "B" ARBOR PRESS**

**1. Function and alignment of USECO installation tools for the USECO Model "B" Press.** The USECO Model "B" Press utilizes a 1/2 inch diameter hole in the ram (top portion), and a 1/2 inch diameter hole in the platen (bottom portion) to house the USECO installation tools. Alignment of the tools can be accomplished by installing one of the swaging tools selected from the set, upside down, in the ram portion of the press and securing it in place, using the set screw furnished by USECO located on one side of the ram.

At this time the ram should be checked for tightness. If there is too much play in the ram, perfect alignment cannot be maintained. Fine adjustment of the ram can be accomplished by tightening or loosening the four adjustment screws on the press. Two of the screws can be found directly on the front of the gear cover, and the other two on the left side of the gear cover, threaded into the cast iron surface of the press. After the ram is adjusted sufficiently to allow a minimum amount of play, you may loosen the platen (bottom portion of the press), by loosening the one anchor screw that fastens the platen to the cast iron base. When the platen floats freely the ram can be lowered into position. This is accomplished by rotating the pinion arm located on the right side of the press in a forward or counter clockwise direction. The platen can be aligned with respect to the ram by engaging the tool mounted upside down in the ram, into the 1/2 inch diameter hole in the platen. When the tool is completely engaged in the platen, tighten the anchor screws firmly in place, raise and lower the ram several times to insure that alignment is maintained. When alignment is satisfactory the tool can be removed from the ram.

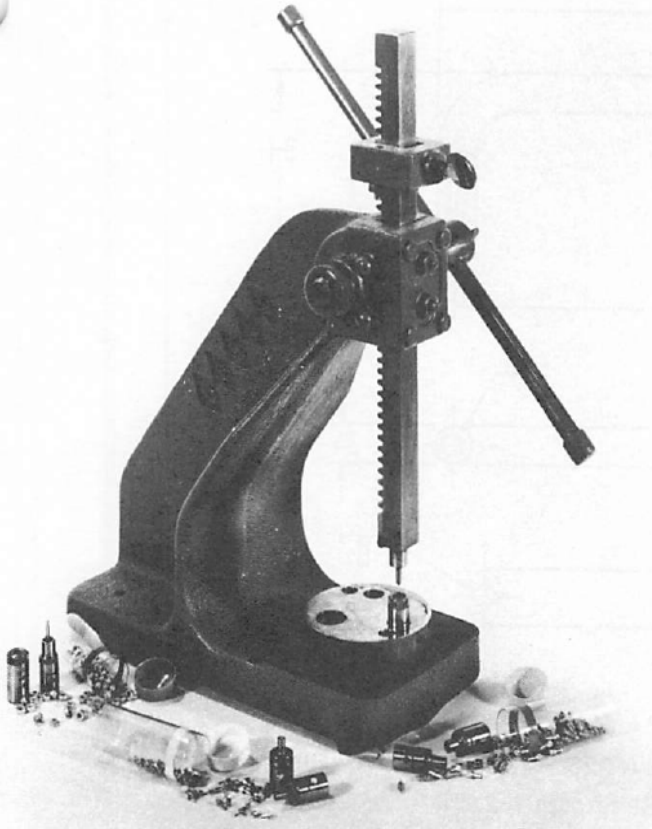
The correct mounting of USECO installation tools is very important. For USECO swage type terminal tools, the receiver (tool with flat bottom), portion of the tool set, the tool which supports the terminal is mounted in the platen and secured in place by the cap screw supplied. The die or swaging tool (tool with radius bottom) of the set is mounted in the ram and secured in place by a cap screw located on

the side of the ram. With USECO lock-fit terminal installation tools, the tool with the spring loaded mechanism is the receiver and is mounted in the platen. The other tool is mounted and secured in the ram.

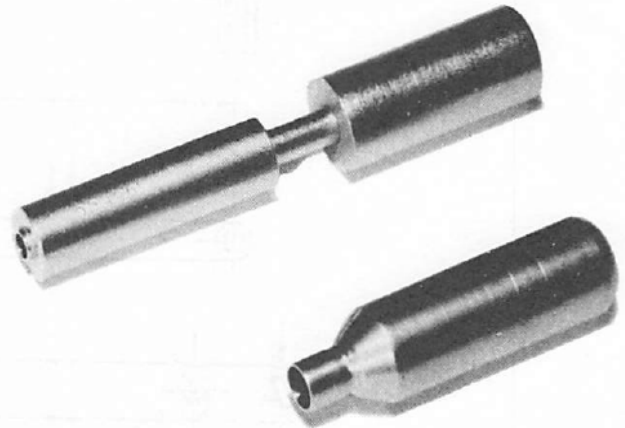
**2. Swage Height Adjustment.** Place part to be swaged into the receiver tool and place test panel or board over the terminal. Rotate the pinion arm to bring the ram and top tool to the test piece. Apply enough force to under swage the part, hold the ram in this position but do not apply more force. Loosen the wing nut on the ram stop and slide the stop down so it touches the top of the casting. Tighten the wing nut to keep the stop in place. Tighten or loosen the fine adjustment screws to achieve the desired amount of swage. Use jam nut to lock fine adjustment screws in place.

**3. Ordering USECO Installation Tools.** In all cases the tool number corresponds directly to the number of the terminal being installed, i.e., to install USECO #1300C-1 terminal, tool TL1300 should be used. The same tool is used to install the 1300A through 1300D.

**4. Maintenance of the USECO Model "B" Arbor Press.** Maintenance is very important to insure trouble free service. The spur gear should be lubricated periodically. This can be accomplished by removing the gear cover located at the front of the press. When the gear cover is removed you will find a pressure plate which is necessary for correct operation of the press. Another pressure plate can be found inside the gear housing to the left of the gear cover, this plate can be removed when the ram is lifted out. The spur gear and pressure plates should be greased thoroughly. The mechanism can be reassembled after lubrication is completed, making sure the pressure plates are installed in their proper places. If the USECO Model "B" Press is to sit for any length of time without use, all unpainted surfaces should be greased thoroughly, including the 1/2 inch diameter holes, to prevent rust. If the previous steps are taken the USECO Model "B" Press will give years of trouble free service.

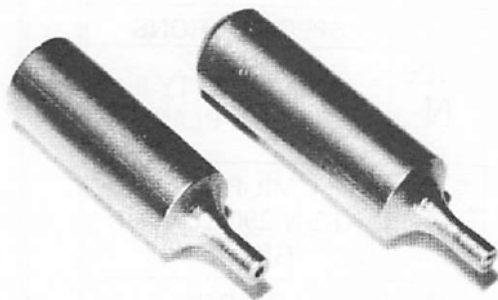


Model "B" Swaging machine shown above with Prestac Tooling.



### "LOC-FIT" INSTALLATION TOOLS

USECO "Loc-Fit" installation tools were designed for rapid installation of "Loc-Fit" terminals, feed-thrus, and test points. The construction of "Loc-Fit" terminals and grommets, when used with proper USECO tooling, lends itself to rapid, easy installation. These tools are also of 1/2 inch diameter and can be used in the USECO Model "B".



### STANDARD SWAGING TOOLS

Accurately machined from highest quality SAE No. 4130 chromium steel alloy, USECO swaging tools are flame-hardened and working surfaces are highly polished to assure long and dependable service. All tools are of 1/2 inch diameter and can be readily mounted in the USECO Model "B" press.

Years of experience have proved the importance of correct tooling. When USECO swaging tools are used in conjunction with USECO terminals you can be confident of a smooth, even roll-over without the threat of splitting or cracking.

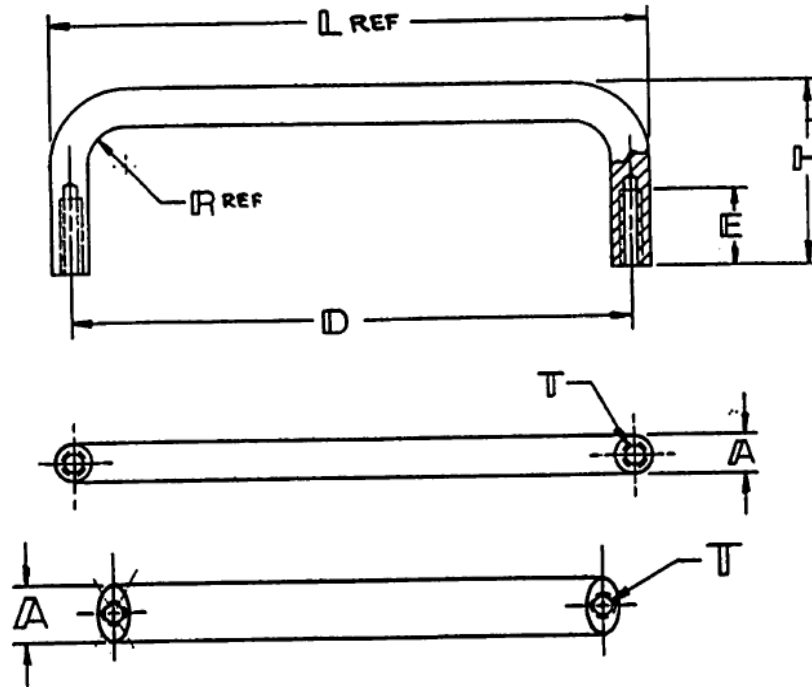
### HOW TO ORDER USECO TOOLS:

The tool number is the same as the model number of the corresponding terminal. Check the catalog for the correct number.

- Example:
1. For terminal No. 1300 A-1, order tool No. TL1300
  2. For "Loc-Fit" No. 4430 B-7, order tool No. TL4430

Note: All material has been carefully checked. However no responsibility for possible errors can be assumed. Dimensions and tolerances subject to change.





**SPECIFICATIONS:**

- MATERIALS:** Aluminum, 6061-T6 per QQ-A-225/8. (Designator A) (See note 4)  
 Brass, 360 per ASTM B16 (See notes 1, 2, 3)  
 Stainless Steel, 304 per QQ-S-763. (Designator C) (See note 4)

		FINISHES		
MATERIAL		FINISH		SPECIFICATIONS
ALUMINUM (NOTE 4)	CODE <b>A</b>	ANODIZE	CODE <b>N</b>	MIL-A-8625 TY II CLASS 2 BLACK
BRASS (NOTE 1)	—	BLACK OXIDE NICKEL	—	MIL-F-495 QQ-N-290 CLASS I GRADE E
STAINLESS STEEL (NOTE 4)	<b>C</b>	PASSIVATED BLACK OXIDE	<b>P</b> <b>B</b>	QQ-P-35 MIL-C-13924 CLASS 4

**HOW TO ORDER:** MS39087 - 301 C P  
 Basic Specification      Desired Dash Number      Passivate Finish      Stainless Steel Material

- SPECIFICATION NOTES:** 1) MS39087-1 through -6 are Brass only, no material options are available.  
 2) MS39087-1, 3, 5 are Plated Nickel only, no options are available.  
 3) MS39087-2, 4, 6 are Plated Black Oxide only, no options are available.  
 4) MS39087-301 through -413 are available in Al and Cres only.

**NOTE:** All material has been carefully checked. However, no responsibility for possible errata can be assumed. Dimensions and tolerances are subject to change as specification revisions occur.





DIMENSIONS							
DASH NUMBER	A ±.005	D ±.02	E	H ±.01	T	NOTES	
-1	.312	6.44	.62 ±.03	1.75	10-32 UNF-2B	1	
-2		4.56		1.50			
-3							3.00
-4							
-5		1.00		4-40 UNC-2B		2	
-6							
-301	.156	3.00	.31 ±.02	.75	6-32 UNC-2B	4	
-302	.187	3.00		.87			
-303		4.00					1.50
-304	.250			4.00			
-305		5.00	.44 ±.02	2.00			
-306	3.00				1.50		
-307		.312	4.00	1.50			10-32 UNF-2B
-308	4.25		1.50				
-309		4.50		1.50			
-310	4.56		1.50				
-311		6.43		.62 ±.03	1.75		
-312	3.00		2.00				
-313		.375		4.00	1.87		
-314	4.00		2.00				
-315		4.00		1.00	10-24 UNC-2B		
-401	.437 x		4.00			1.28	10-32 UNF-2B
-402		.281	4.00	2.00			
-403	6.00		.62 ±.03		1.50		
-404		2.50		1.50			
-405	3.00		1.28		10-32 UNF-2B		
-406		4.00		1.50			
-407	.625 x		4.50		2.00	10-32 UNF-2B	
-408		.281	4.56	2.00			
-409	4.56		1.75		10-32 UNF-2B		
-410		6.00		2.00			
-411	6.00		2.25		10-32 UNF-2B		
-412		6.00		2.25			
-413	NOT AVAILABLE						



## SECTION E HANDLES & KNOBS

A complete line of USECO instrument panel hardware is readily available to the design engineer. Attractively styled handles and knobs, compatible in appearance and color, make possible the design of functional, handsome instrument panels.

### SPECIFICATIONS

(See individual part specifications for standard materials & finishes)

**MATERIALS:** Brass, per ASTM B16 (Alloy 360), ASTM B453 (Alloy 353) Aluminum, Alloy per (Round) QQ-A-225/8 (6061-T6), (Oval) QQ-A-200/8 (6061-T6) or QQ-A-200/9 (6063-T3) Stainless Steel, per ASTM A582, class 203 condition A Carbon (lead) Steel C12L14 per QQ-S-637

FINISHES			
MATERIAL	FINISH NO.	FINISH	APPLICABLE SPECIFICATIONS
BRASS & CARBON STEEL	-12	NICKEL	QQ-N-290 TY. VI (KC) CL I
	-13	CHROME	QQ-C-320 TY. I CL I
	-132	BRUSHED CHROME	QQ-C-320 CL I TY. II
	-14	BLACK OXIDE	MIL-F-14072 (E311)
STAINLESS STEEL	-17	PASSIVATE	MIL-F-14072 (E300)
	-172	BLACK PASSIVATE	MIL-C-13924 CL. III
ALUMINUM	-20	CLEAR ANODIZE	PER MIL-A-8825 TY. II
	-29	BLACK SEMI-FROST ANODIZE (BEST COMMERCIAL)	
	-30	BLACK ANODIZE	
	-31	CLEAR SEMI FROST ANODIZE (BEST COMMERCIAL)	

### HOW TO ORDER:

Standard electronic hardware should be ordered by part number with the desired finish callout.

Examples: 1510-12 11-2-12  
1007-12 1000-20

Note: All material has been carefully checked. However, no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.

**Custom Terminals and Platings on Special Order**  
Complete Plating Specifications Listed on Page 80.

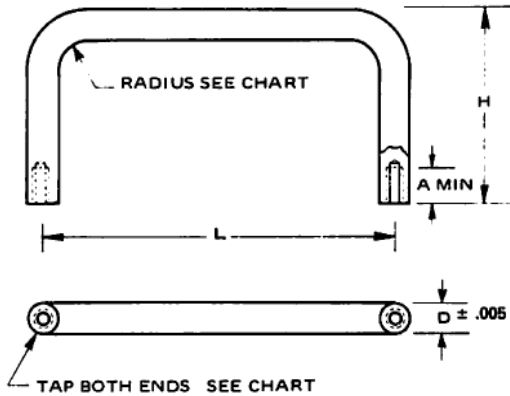


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USECO offers attractive bow handles in designs with hidden through-panel mountings that are rugged as well as functional. Available in brass, aluminum, or stainless steel with a variety of platings and finishes, including: black, clear and colors. Complementary ferrules add the fine finished appearance to any panel installation.

### SPECIFICATIONS

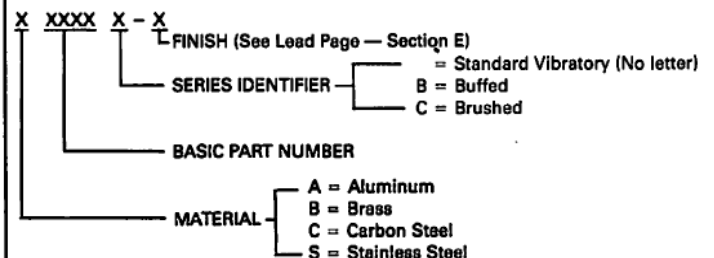
D (Dia.)	L (Length)	H (Height)	A (Min.)	TAP	RADIUS	Part #	D (Dia.)	L (Length)	H (Height)	A (Min.)	TAP	RADIUS	Part #
.156	1.25	1.00	.375	4-40	.188	1041	.312	2.00	1.50	.625	10-32	.312	1017
.156	2.00	1.00	.375	4-40	.188	1042	.312	2.50	1.50	.625	10-32	.312	935
.156	2.25	1.00	.375	4-40	.188	920	.312	3.00	1.31	.440	10-32	.250	1006
.156	2.50	1.00	.375	4-40	.188	952	.312	3.00	1.31	.440	8-32	.312	1016
.156	3.00	1.00	.375	4-40	.188	1043	.312	3.00	1.50	.625	10-32	.312	1015
.250	1.25	1.00	.375	6-32	.250	1070	.312	3.50	1.50	.625	10-32	.312	938
.250	1.75	1.00	.375	6-32	.250	1071	.312	4.00	1.50	.625	10-32	.312	1012
.250	2.00	1.50	.562	8-32	.250	1073	.312	4.25	1.50	.625	10-32	.312	1010
.250	2.25	1.50	.500	6-32	.250	1056	.312	4.56	1.50	.625	10-32	.312	1013
.250	2.25	1.00	.375	6-32	.250	1072	.312	6.00	1.50	.625	10-32	.312	1007
.250	2.50	1.50	.562	8-32	.250	923	.312	6.44	1.50	.625	10-32	.312	1004
.250	3.00	1.50	.562	8-32	.250	1074	.312	6.44	1.75	.625	10-32	.312	1005
.250	3.50	1.50	.562	8-32	.250	926	.312	6.75	1.75	.625	10-32	.312	1011
.250	4.00	1.50	.562	8-32	.250	1075	.312	8.00	1.50	.625	10-32	.312	1018
.250	4.25	1.50	.562	8-32	.250	929	.312	10.00	1.50	.625	10-32	.312	1019
.250	4.56	1.50	.562	8-32	.250	963							
.250	6.00	1.50	.562	8-32	.250	1076							
.250	6.44	1.50	.562	8-32	.250	932							

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.156	3.96	.500	12.70	3.000	76.20
.188	4.77	.562	14.27	4.000	101.60
.250	6.35	.625	15.87	6.000	152.40
.312	7.92	.750	19.05	8.000	203.20
.375	9.52	1.000	25.4	10.000	254.00
.440	11.17	2.000	50.8		

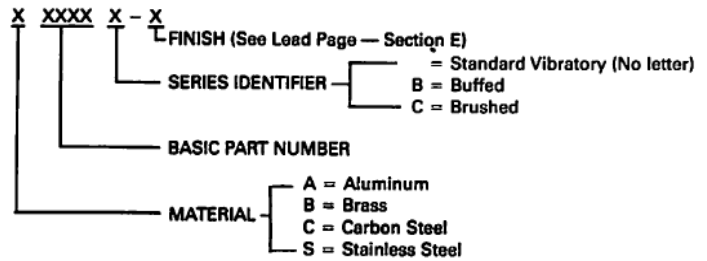
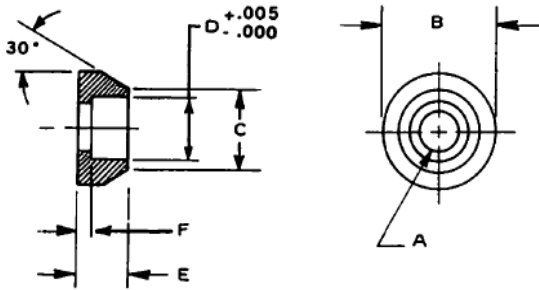
Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

### HOW TO ORDER



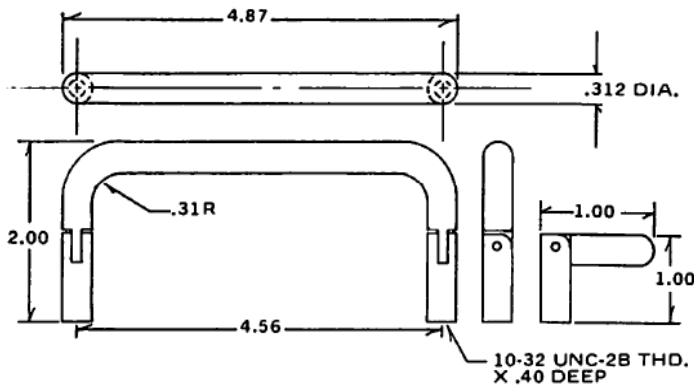
## Bow Handles - Ferrules

### HOW TO ORDER



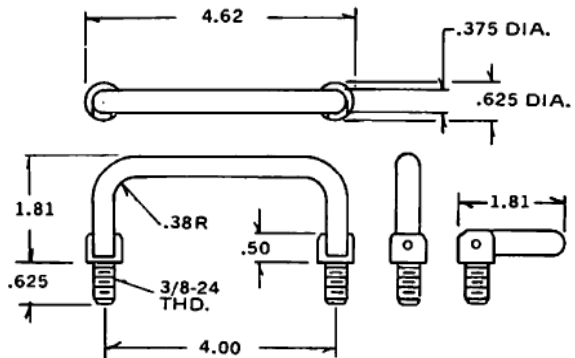
PART NUMBER	DIA. D	DIA. A	DIA. B	DIA. C	E	F	FOR HANDLE DIA.
902	.161	.116	.250	.200	.125	.047	.156
903	.260	.167	.375	.310	.120	.062	.250
900	.316	.218	.562	.406	.250	.062	.312

### 90° Folding - Free Fall



PART No. 941

### 90° Folding - Spring Detent



PART No. 944

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.047	1.19	.250	6.35	.560	14.22
.062	1.52	.260	6.60	.562	14.27
.116	2.94	.310	7.87	.625	15.87
.120	3.04	.312	7.92	.810	20.57
.125	3.17	.316	8.02	.870	22.09
.141	3.58	.375	9.52	1.000	25.40
.156	3.96	.380	9.65	2.000	50.80
.161	4.08	.400	10.16	4.000	101.60
.200	5.08	.406	10.31		
.218	5.53	.500	12.70		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

TOLERANCE: .XXX ± .010; .XX ± .016



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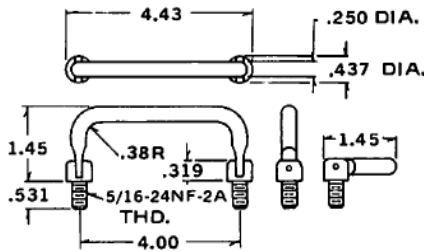
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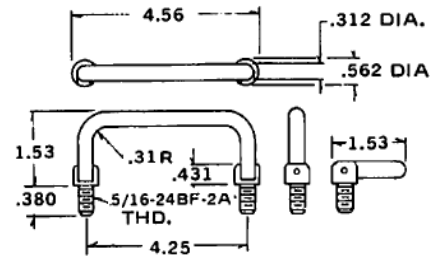
**Handles**

Folding 180° Spring Loaded Detent  
Brass-Aluminum-Stainless Steel



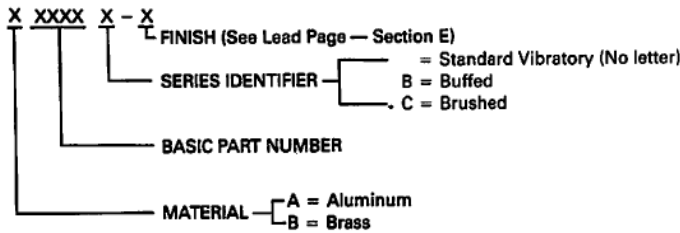
PART No. 949

Folding 90° – Free Fall  
Brass-Aluminum-Stainless Steel

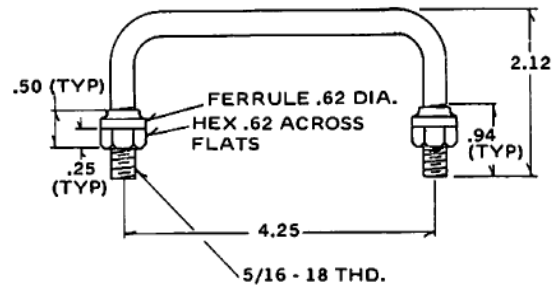


PART No. 992

**HOW TO ORDER**



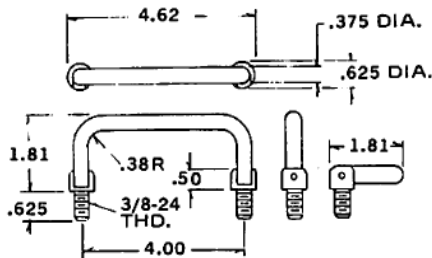
Cabinet – External Thread



A 1020 = Aluminum  
B 1020 = Brass

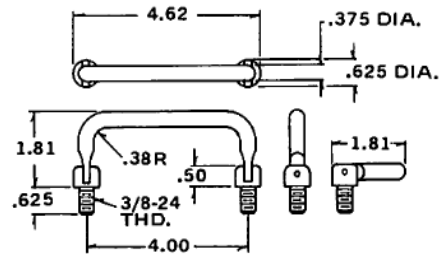
PART No. A 1020  
B 1020

Folding 90° – Free Fall  
Brass



PART No. 1031

Folding 180° Spring Loaded Detent  
Brass



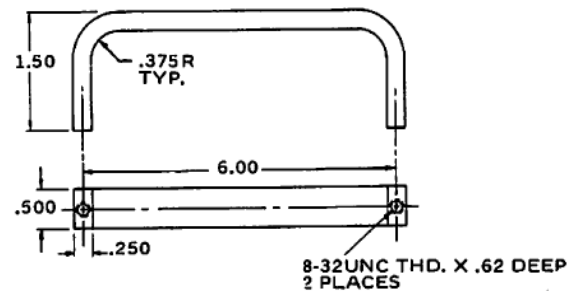
PART No. 1032

**METRIC CONVERSION CHART**

DECIMAL	MILLIMETER
.120	3.04
.250	6.35
.375	9.52
.500	12.70
.620	15.74
.625	15.87
.810	20.57
.940	23.87
1.000	25.40
4.000	101.60
6.000	152.40

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

Rectangular  
Aluminum

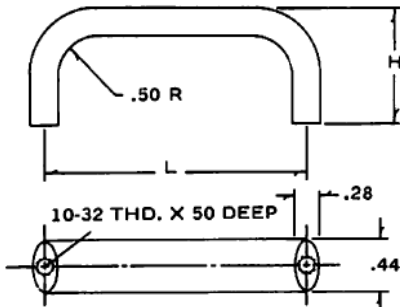


PART No. 1055

TOLERANCE: .XXX ± .010; .XX ± .016

## Oval Knobs

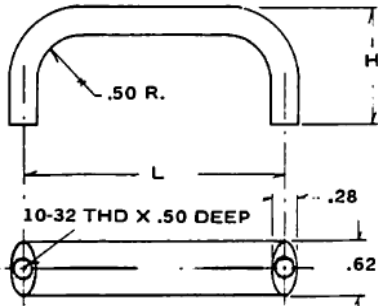
Oval – Miniature Size



L (Length)	H (Height)	PART NO.
2.50	1.50	1026
3.50	1.50	1027
4.00	1.50	985
4.25	1.50	1028
4.50	1.50	1029

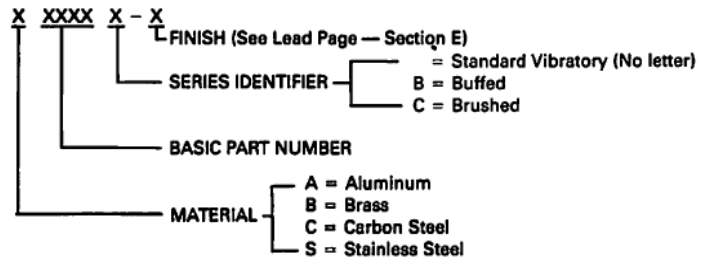
PART Nos. 985; 1026-1027-1028-1029

Oval – Standard Size



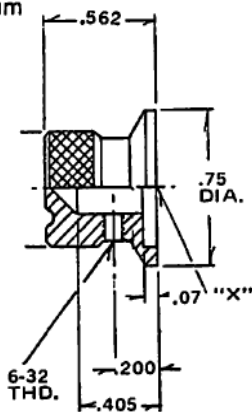
L (Length)	H (Height)	PART NO.
3.00	1.28	1033
4.00	1.50	988
4.56	1.50	1034
6.44	1.75	1035
9.00	1.75	1036

### HOW TO ORDER



PART Nos. 988; 1033-1034-1035-1036

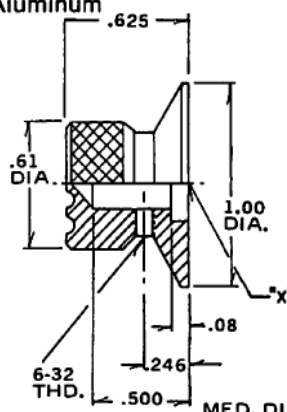
Aluminum



ORDER BY PART NO.	"X"	MAX. SH. DIA.
300	1/4	.250
301	3/16	.188
302	1/8	.125

PART No. 300-1-2

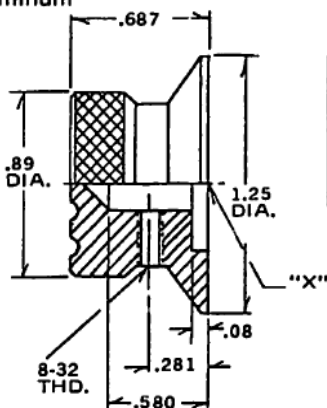
Aluminum



ORDER BY PART NO.	"X"	MAX. SH. DIA.
305	1/4	.250
306	3/16	.188
307	1/8	.125

MED. DIAMOND KNURL PART No. 305-6-7

Aluminum



ORDER BY PART NO.	"X"	MAX. SH. DIA.
310	1/4	.250
311	3/16	.188
312	1/8	.125

PART No. 310-11-12

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.070	1.77	.280	7.11	.580	14.73
.080	2.03	.281	7.13	.610	15.49
.125	3.17	.300	7.62	.620	15.74
.128	3.25	.405	10.28	.625	15.87
.150	3.81	.425	10.79	.687	17.44
.187	4.75	.440	11.17	.750	19.05
.188	4.77	.450	11.43	.890	22.60
.200	5.08	.456	11.58	1.000	25.40
.246	6.24	.500	12.70		
.250	6.35	.562	14.27		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

SPECIFICATIONS COMMON

KNOB: ALL 1/8" AND 3/16" SHAFT DIAMETER ARE SUPPLIED WITH ONE SET SCREW.



Get quote

TOLER

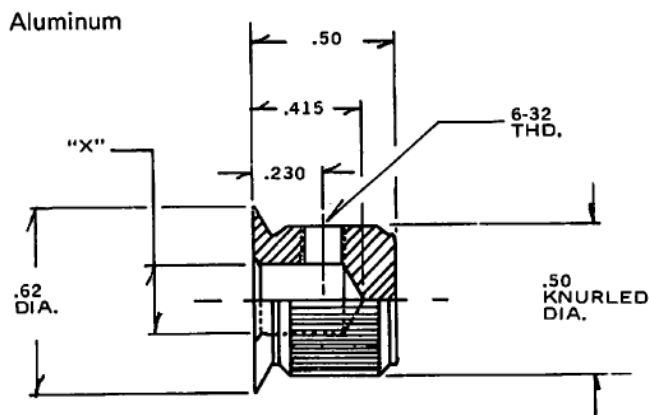
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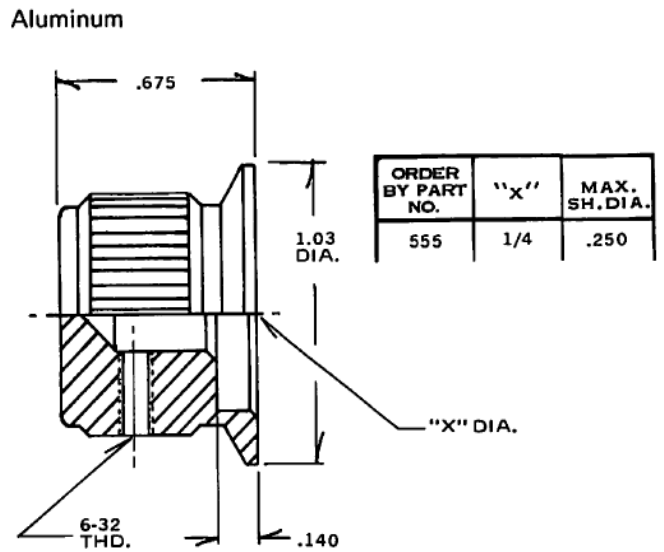


Knobs



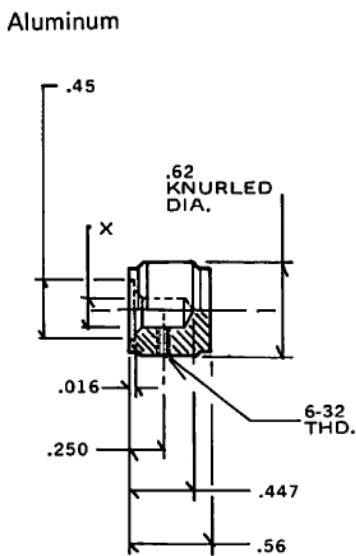
ORDER BY PART NO.	"X"	MAX. SH. DIA.
500	1/4	.250
502	1/8	.125

PART No. 500 & 502



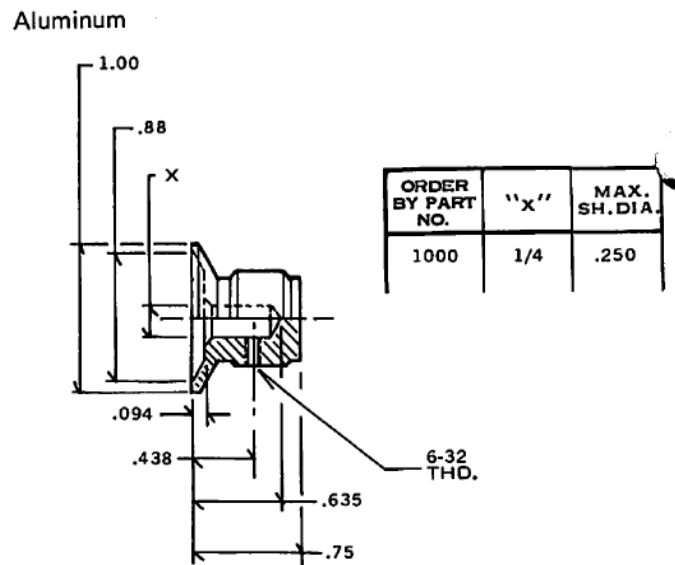
ORDER BY PART NO.	"X"	MAX. SH. DIA.
555	1/4	.250

PART No. 555



ORDER BY PART NO.	"X"	MAX. SH. DIA.
625	1/4	.250
627	1/8	.125

PART No. 625-27



ORDER BY PART NO.	"X"	MAX. SH. DIA.
1000	1/4	.250

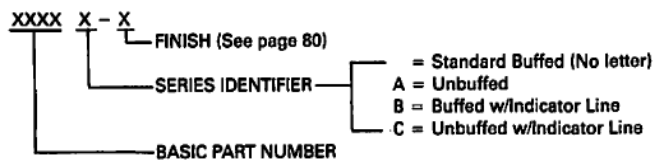
PART No. 1000

METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.016	.40	.250	6.35	.620	15.74
.030	.76	.438	11.12	.635	16.12
.094	2.38	.447	11.35	.675	17.14
.125	3.17	.450	11.43	.750	19.05
.140	3.55	.500	12.70	.880	22.35
.230	5.84	.560	14.22	1.000	25.40

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

HOW TO ORDER



## SECTION F

### MOLDED TERMINAL HEADERS

USECO molded terminal headers are design proven for transformer, electrolytic capacitor, plug-in type module, tube socket, can-type delay line, filter network, vibrator, and timer applications. Available in dozens of sizes and pine configurations. USECO headers may now be ordered with phenolic or diallyl phthalate insulation.

#### SPECIFICATIONS

Terminals	Choice of turret, pin or threaded
Material:	Brass, per ASTM B16
Finish:	Standard, -10
Rings	
Material:	Brass, per QQ-B-613
Finish:	Standard -5
Insulating Materials	DIALLYL PHTHALATE Per MIL-M-14, type SDG-F
Marking	Pin numbers legibly molded into plastic
Performance	USECO headers meet pull test requirements of MIL-T-27 and CAA. Test data shown is based on average number of terminals. Breakdown voltages and leakage resistance values were taken at normal room temperatures, atmospheric pressure, and 50% humidity. All headers provide 100,000 megohms minimum resistance.

#### HOW TO ORDER:

Standard items should be ordered by the part number which reflects the series and insulation material. It is not necessary to indicate dash numbers for standard plating.

Note: 1. Headers will be supplied with a full complement of pins as standard. For headers with less than the standard number of pins, consult factory for price and delivery.

Note: All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.

#### Installation Procedure

Satisfactory installation procedures have been developed using soldering iron, both standard and with hollow ring tips, and with induction heaters. It is possible to damage the diallyl with excessive heat, and great care should be exercised to limit temperature of the solder ring to the minimum necessary to obtain a good joint.

The following procedure is recommended:

##### Preparation of Enclosure

The opening should be 1/32" greater than the plastic diameter. This will allow space for gases formed from the flux to escape without blowing pinholes in the solder seal.

Recommended base for soldering is hot tin dip or .0003" copper plate and .0005" tin plate, electrolytic tin is superior to hot tin dip where it is necessary to paint the terminal face of the case.

##### Soldering

The procedure recommended was developed to permit installation with a minimum of heat applied to the plastic. No damage will be done during a momentary rise in temperature such as is necessary in order to properly flow the solder, but excessive temperatures may be attained in induction heating or oven soldering methods. The best method for soldering with an iron is as follows:

Preheat lid thoroughly before seating terminal; this may be done while soldering previous lid using a small electric plate.

Run solder around ring of terminal using 3/16" tip in 60 to 100 watt iron. Keep iron near edge of ring and away from plastic. Use .050" to 1/16" diameter 60/40 solder (60% tin), alcohol and rosin flux, "No. 30 Supersafe" liquid flux as made by Superior Flux Co. Cleveland, Ohio, is very good, but the lid must be thoroughly cleaned and neutralized after soldering if this is used.

We have found that spraying or painting the internal portion of any terminal, with Schenectady No. 642 varnish, substantially reduces the percentage of sealing failures, which are caused by overheating when soldering either ring to case or wires to pins. We recommend that this be done after installing and internally wiring USECO terminals.

Complete Plating Specifications Listed on Page 80.



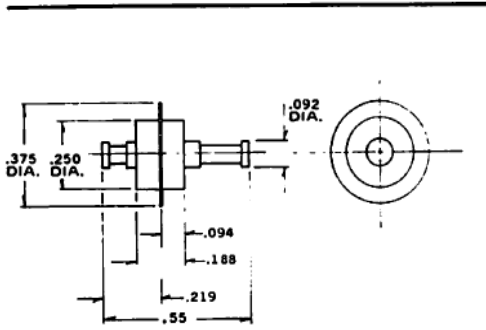
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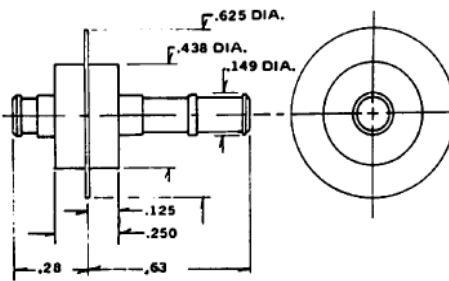
<https://www.AngicGlobal.com> [Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)

F



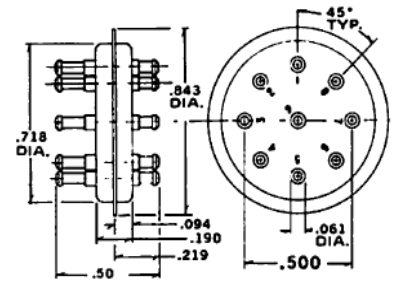
Current Capacity; 10 AMPS. Max.  
Mtg. Hole — .266 DIA.

**PART No. 4008**



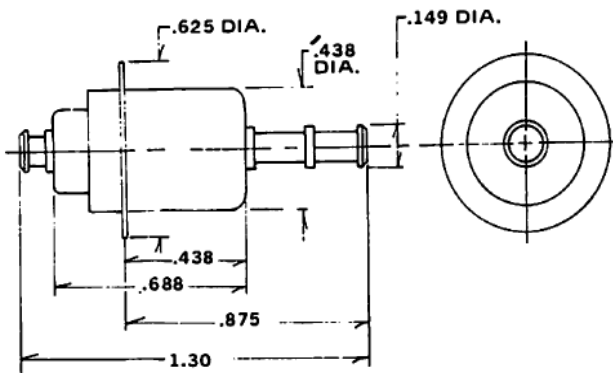
Current Capacity; 16 AMPS. Max.  
Mtg. Hole — .453 DIA.

**PART No. 4010**



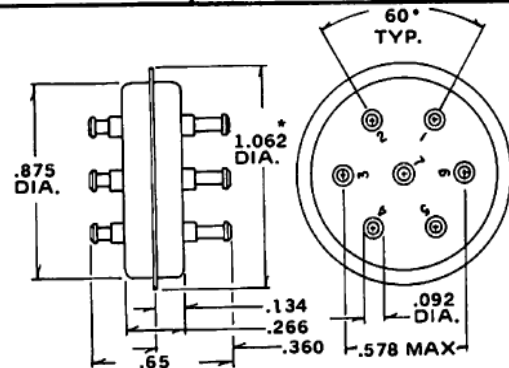
Current Capacity; 4 AMPS Max.  
Mtg. Hole — .750 DIA.

**PART No. 4115**



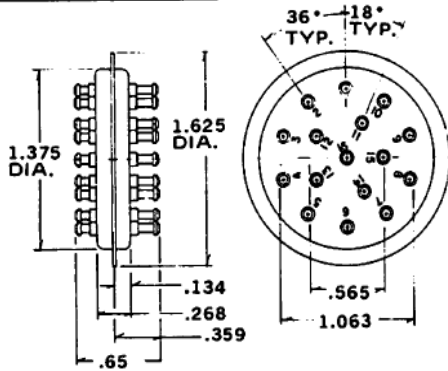
Current Capacity; 20 AMPS. Max.  
Mtg. Hole — .453 DIA.

**PART No. 4011**



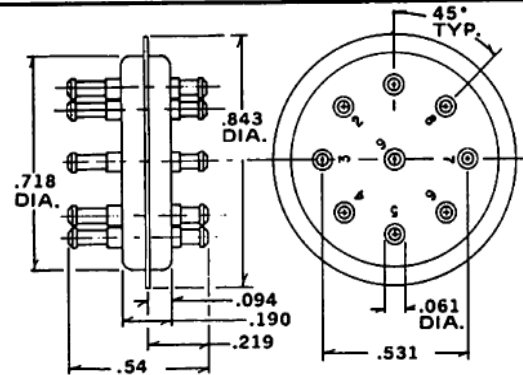
Current Capacity; 10 AMPS. Max.  
Mtg. Hole — .906 DIA.

\*4013 same as 4151 except Ring Dia. is 1.00 **PART No. 4013 & 4151**



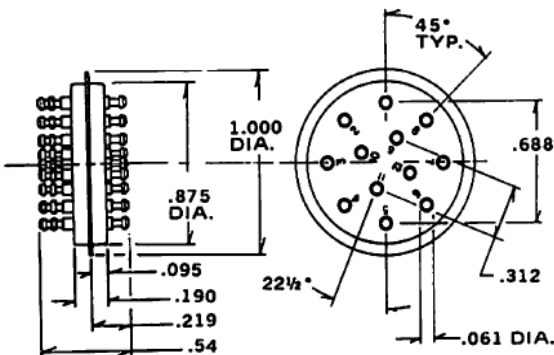
Current Capacity; 10 AMPS. Max.  
Mtg. Hole — 1.406 DIA.

**PART No. 4033**



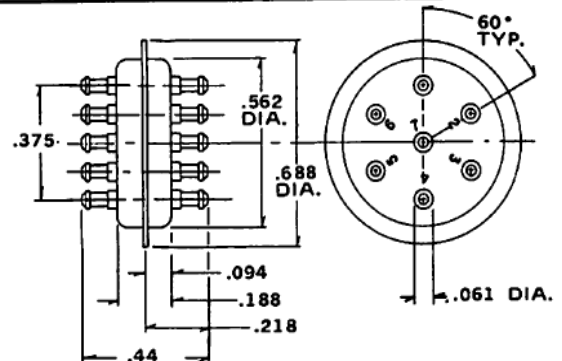
Current Capacity; 4 AMPS Max.  
Mtg. Hole — .750 DIA.

**PART No. 4055**



Current Capacity; 4 AMPS. Max.  
Mtg. Hole — .906 DIA.

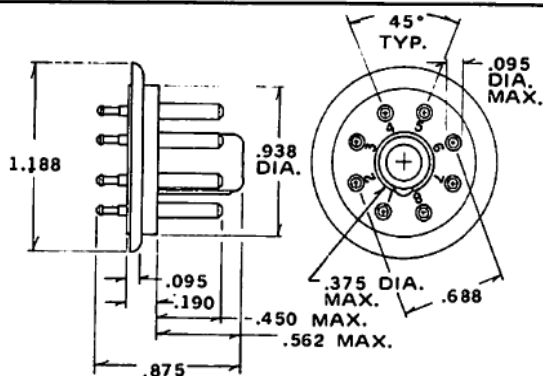
**PART No. 4056**



Current Capacity; 4 AMPS. Max.  
Mtg. Hole — .578 DIA.

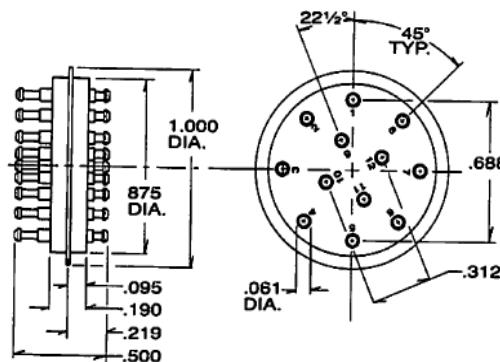
**PART No. 4074**

Common to parts 4008, 4010, 4011, 9013, 4151, 4033, 4055, 4056, 4074, 4098, 4109  
RESISTANCE, 100,000 MEGOHMS MIN.



Current Capacity; 16 AMPS. Max.  
Mtg. Hole — .953 DIA.

PART No. 4098



Current Capacity, 4 AMPS Max.  
Mtg. Hole — .906 DIA.

PART No. 4109

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.010	.25	.188	4.77	.359	9.12	.536	13.61	.750	19.05	1.188	30.17
.016	.41	.190	4.82	.360	9.14	.547	13.89	.843	21.41	1.281	32.54
.061	1.55	.218	5.54	.375	9.52	.562	14.27	.875	22.22	1.375	34.92
.092	2.34	.219	5.56	.438	11.12	.565	14.35	.906	23.01	1.406	35.71
.094	2.39	.250	6.35	.450	11.45	.578	14.68	.938	23.82	1.625	41.27
.095	2.41	.266	6.76	.453	11.51	.625	15.87	.953	24.21		
.125	3.17	.268	6.81	.456	11.58	.650	16.51	1.000	25.40		
.134	3.40	.281	7.14	.500	12.70	.688	17.47	1.062	26.97		
.149	3.78	.312	7.92	.531	13.49	.718	18.24	1.063	27.00		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

## SECTION G TERMINAL BOARDS

### SPECIFICATIONS

#### Tabulated Boards

Materials: Phenolic — L-P-513 Type PBE  
Epoxy—MIL-P-18177 Type GEE  
Terminals: P/N 1300C or 2010B as indicated.  
Standard Plating:—1

#### Resistor Boards

Materials: Melamine—MIL-P-15037, type GMG  
Terminals: P/N 2010B or 1392B as indicated.  
Standard Plating:—1

#### Standoff:

Brass, per ASTM B16 and ASTM B453  
Standard Plating: —5

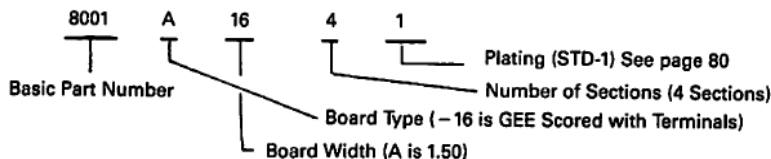
#### Ground Strap:

Brass, per ASTM B16 and ASTM B453  
Standard Plating: Solder dip per MIL-F-14072 M258.

#### MS Boards

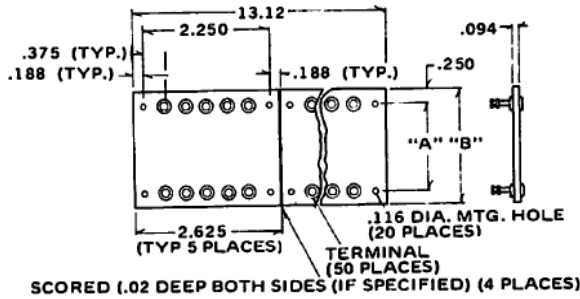
Materials: GEE Epoxy per MIL-P-18177  
Terminals: 4523D-5.04

Example:



Note: All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.

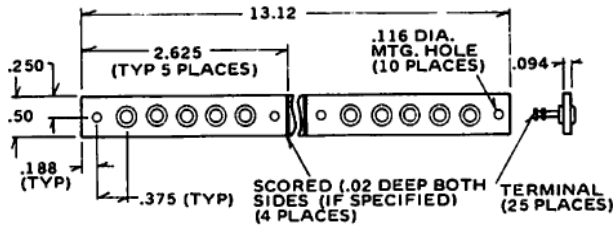
Due to the tabulated variations available on the 8000 series of boards, USECO has obsoleted other boards from previous catalog in favor of 8000 series as shown below:



PART NO.	"A"	"B"	PART NO.	"A"	"B"
8001 A	1.000	1.50	8001 C	2.000	2.50
8001 B	1.500	2.00	8001 D	2.500	3.00

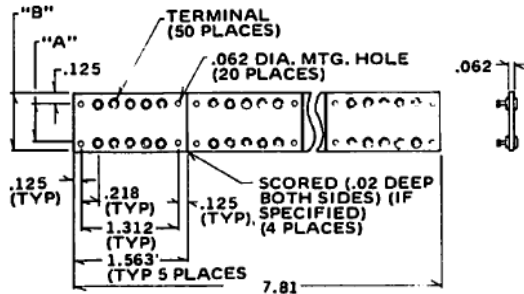
Include desired tabulated variation dash number when ordering. Non scored boards supplied with 66 terminals.

**PART No. 8001**



Include desired tabulated variation dash number when ordering. Non scored boards supplied with 33 terminals.

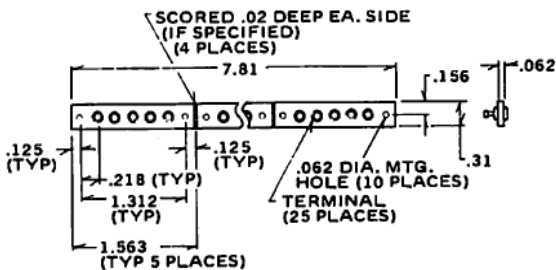
**PART No. 8002**



PART NO.	"A"	"B"	PART NO.	"A"	"B"
8003 B	.500	.75			
8003 C	.750	1.00			

Include desired tabulated variation dash number when ordering. Non scored boards supplied with 66 terminals.

**PART No. 8003**



Include desired tabulated variation dash number when ordering. Non scored boards supplied with 33 terminals.

**PART No. 8004**

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.016	.41	.218	5.54	.810	20.57
.020	.50	.250	6.35	1.000	25.40
.062	1.57	.312	7.92	2.000	50.80
.094	2.39	.375	9.52	3.000	76.20
.116	2.95	.500	12.70	7.000	177.80
.125	3.17	.563	14.30	13.000	330.20
.156	3.96	.625	15.87		
.188	4.77	.750	19.05		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

### TABULATED VARIATIONS FOR PARTS — 8001, 8002, 8003 and 8004

TABLE 1

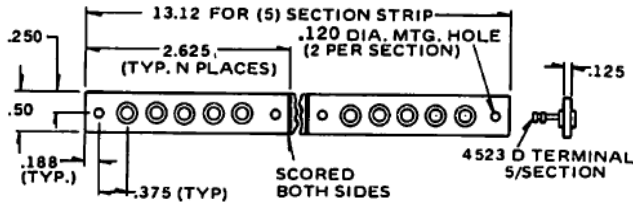
Dash No.	*Material	**With Term.	No. Term.	With Scoring	No Scoring
-1	PBE		X		X
-2	PBE	X			X
-3	PBE		X	X	
-4	PBE	X		X	
-13	GEE		X		X
-14	GEE	X			X
-15	GEE		X	X	
-16	GEE	X		X	

Order By: Basic part number followed by dash number from tab block (Example 8001-A-1)

Special Order: Changes in indicated dimensions, change in indicated terminal, etc. (Price will be advised accordingly)

\*Material: PBE, Phenolic Per L-P-513 Type PBE GEE, Epoxy Per MIL-P-18177 .XX ± .010, .XX ± .016

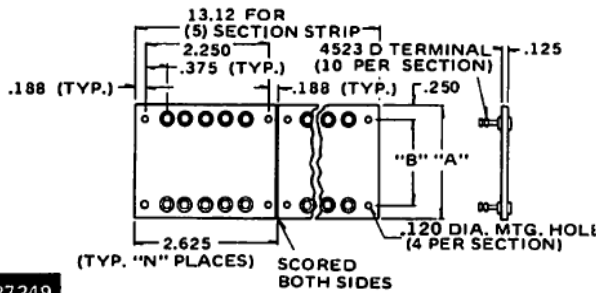
\*\*Terminal: (Standard) 8001 & 8002 — 1300 8003 & 8004 — 2010 — 2010



Material: "B" = Epoxy per MIL-P-18177, Type GEB  
 "E" = Epoxy per MIL-P-18177, Type GEE  
 Tolerance: .XXX ± .016  
 Terminal: 4523 D-4

(N) Designates Number of Sections Per Strip; Maximum No. is 5

PART No. 1103-1B(N), 1103-1E (N)



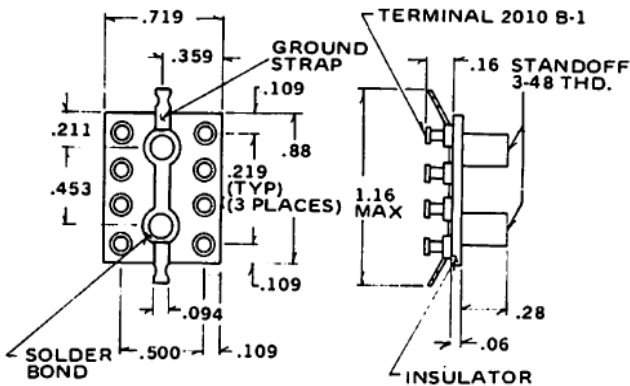
PART NO.	"A"	"B"	PART NO.	"A"	"B"
1103-2*(N)	1,500	1,000	1103-4*(N)	2,500	2,000
1103-3*(N)	2,000	1,500	1103-5*(N)	3,000	2,500

\* - Designates type of Epoxy  
 (N) - Designates number of sections, 5 maximum  
 Board Material: "B" = Epoxy per MIL-P-18177, Type GEB  
 "E" = Epoxy per MIL-P-18177, Type GEE  
 Tolerance: .XXX ± .016  
 Terminal: 4523 D-4

PART No. 1103-2B, 3B, 4B, 5B  
 1103-2E, 3E, 4E, 5E

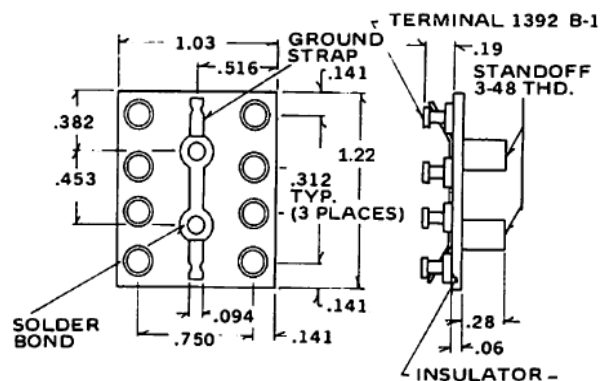
MS No. 27249

Resistor Boards



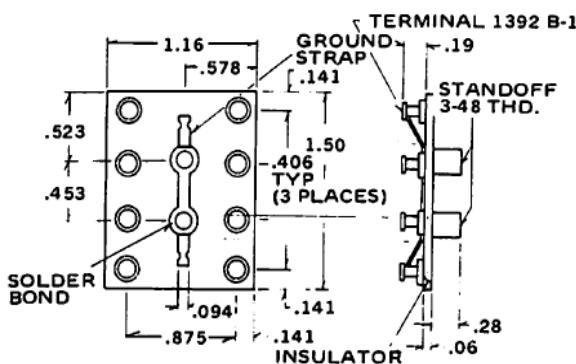
For Use With 1/2 Watt Resistors.

PART No. 1180



For Use With 1 Watt Resistors.

PART No. 1181



For Use With 2 Watt Resistors.

PART No. 1182

METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.010	.25	.160	4.06	.453	11.51
.015	.38	.188	4.77	.500	12.70
.016	.41	.190	4.83	.516	13.11
.020	.50	.211	5.36	.523	13.28
.060	1.52	.219	5.56	.578	14.68
.094	2.39	.250	6.35	.625	15.87
.109	2.77	.280	7.11	.719	18.26
.116	2.95	.312	7.92	.875	22.22
.122	3.10	.359	9.12	1.000	25.40
.125	3.17	.382	9.70	2.000	50.80
.141	3.58	.406	10.31	3.000	76.20

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

Material: Board - Melamine Sheet type GMG, Per MIL-P-15037  
 Tolerance: .XXX ± .010, .XX ± .016



Get quote >>

80 - 1181 & 1182

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USECO



Notes

## SECTION H

### STANDOFFS, SPACERS & PANEL HARDWARE

A complete line of USECO instrument panel hardware is readily available to the design engineer. Attractively styled knobs compatible in appearance and color, make possible the design of functional, handsome instrument panels. Other accessory hardware such as shaft locks, spacers, standoffs, bushings, etc. complete the most diversified line of standardized electronic hardware in the industry.

**SPECIFICATIONS** (See individual part specifications for standard materials & finishes)

**Materials:** Brass, Hex per ASTM B16 (Alloy 360) Round ASTM B453 (Alloy 353) or B16 (Alloy 360)  
Aluminum, Alloy per QQ-A-225/3, QQ-A-225/6 or QQ-A-200/3  
Stainless Steel, per ASTM A582, class 303 condition A

**Finishes:** – 5, Tin MIL-T-10727, Type 1  
– 12, Nickel per QQ-N-290, Type II class I  
Chromate Conversion (Yellow) per MIL-C-5541B Class 3

Materials and finishes for spacers, standoffs, and chassis fasteners – see bottom of individual pages.

**HOW TO ORDER:** Standard electronic hardware should be ordered by part number with the desired finish callout.

Examples: 1510–12  
1007–12  
11–2–12  
1000–20

**Note:** All material has been carefully checked. However no responsibility for possible errata can be assumed. Dimensions and tolerances subject to change.



**Custom Hardware and Plating on Special Order**

Complete Plating Specifications Listed on Page 80.



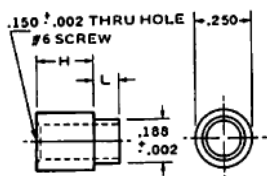
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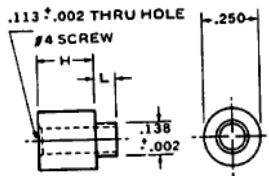
1-888-872-0690

<https://www.AngicGlobal.com> [Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)

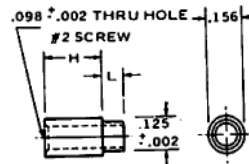
## Standoffs — Brass and Aluminum



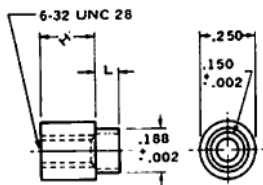
A1570/B1570



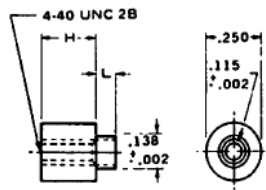
A1571/B1571



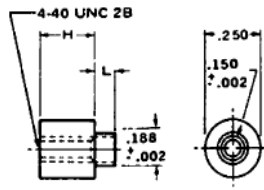
A1572/B1572



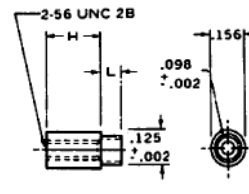
A1530/B1530



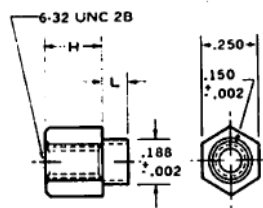
A1533/B1533



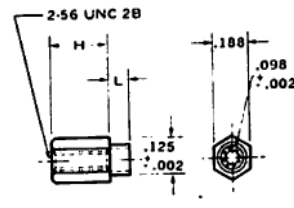
A1537/B1537



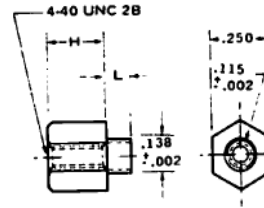
A1538/B1538



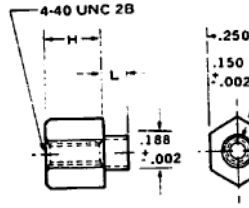
A1531/B1531



A1532/B1532

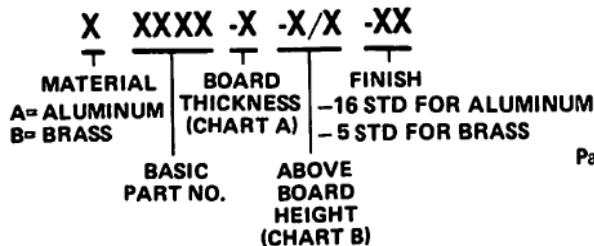


A1534/B1534



A1539/B1539

### HOW TO ORDER



See Page 88.

CHART A			CHART B		
DASH FOR BOARD L LETTER THICKNESS DIM			ABOVE BOARD HEIGHT (H DIM.)*		
A	1/32	.075	09	=	3/32
B	1/16	.105	12	=	1/8
C	3/32	.135	16	=	5/32
D	1/8	.165	19	=	3/16
			25	=	1/4
			31	=	5/16
			38	=	3/8
			50	=	1/2
			62	=	5/8
			75	=	3/4
			88	=	7/8
			100	=	1

\*Height other than shown available. Contact Factory.

### SWAGE TOOL

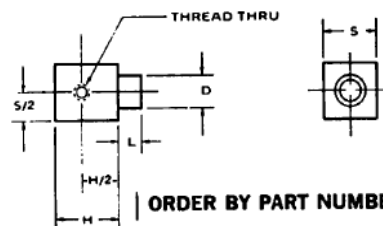
To order, specify: TL, Basic Part Number and decimal e.g. TL1534-19

## Chassis Fasteners — Brass and Aluminum

### METRIC CONVERSION CHART

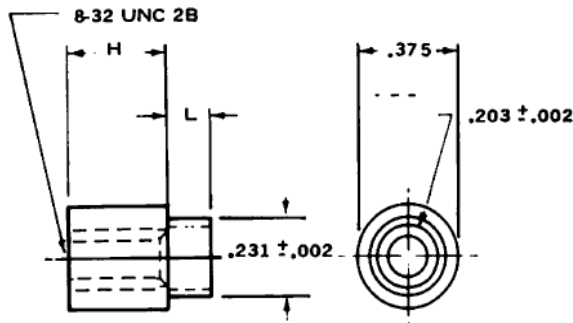
DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.002	.05	.125	3.17	.250	6.35
.031	.79	.126	3.20	.310	7.87
.062	1.57	.135	3.43	.375	9.52
.075	1.90	.138	3.50	.380	9.65
.094	2.39	.150	3.81	.500	12.70
.098	2.49	.156	3.96	.625	15.87
.105	2.67	.165	4.19	.750	19.05
.113	2.87	.188	4.77	.875	22.22
.115	2.92	.219	5.56	1.000	25.40

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

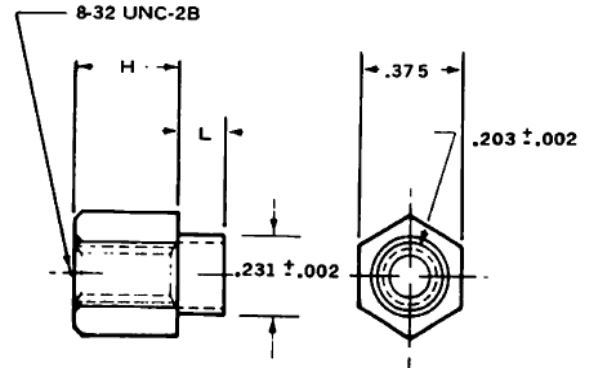


USECO PART NO.	ALUMINUM	BRASS	D	H	H/2	S	S/2	L	REC. BD THK	THREAD
A1590B	B1590B									
A1590C	B1590C		.188	.380	.219	.310	.156	.105	.062	6-32
A1590D	B1590D							.135	.094	
								.165	.125	
A1591A	B1591A							.075	.031	
A1591B	B1591B		.126	.250	.125	.250	.125	.105	.062	4-40
A1591C	B1591C							.135	.094	
A1591D	B1591D							.165	.125	

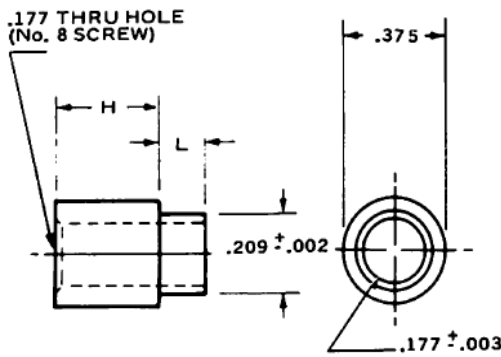
## Standoffs — Brass and Aluminum



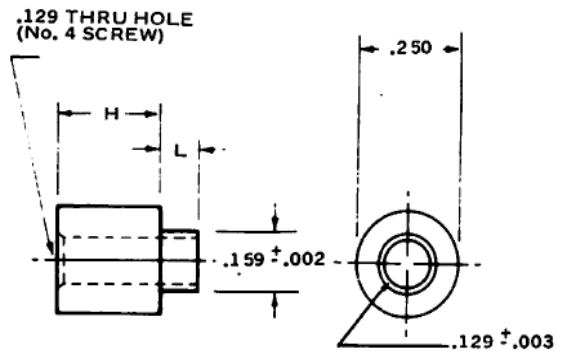
PART NO. A1523/B1523



PART NO. A1529/B1529

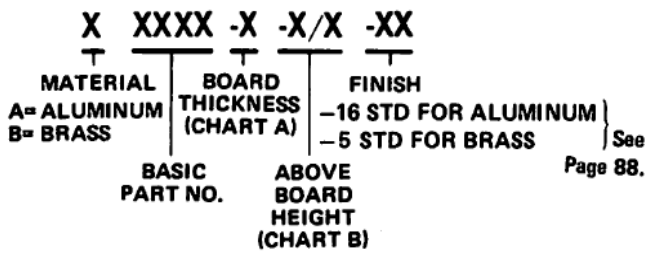


PART NO. A1599/B1599



PART NO. A1598/B1598

### HOW TO ORDER



#### CHART A

DASH FOR BOARD L LETTER THICKNESS DIM

A	1/32	.075
B	1/16	.105
C	3/32	.135
D	1/8	.165

#### CHART B

ABOVE BOARD HEIGHT (H DIM.)\*

09	=	3/32
12	=	1/8
16	=	5/32
19	=	3/16
25	=	1/4
31	=	5/16
38	=	3/8
50	=	1/2
62	=	5/8
75	=	3/4
88	=	7/8
100	=	1

\*Height other than shown availat Contact Factory.

#### SWAGE TOOL

To order, specify: TL, Basic Part Number and decimal e.g. TL1534-19

#### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.002	.05	.159	4.04	.375	9.52
.003	.07	.177	4.49	.500	12.70
.032	.81	.187	4.75	.625	15.87
.062	1.57	.201	5.10	.750	19.05
.094	2.39	.209	5.31	.875	22.22
.125	3.17	.232	5.89	1.000	25.40
.129	3.27	.250	6.35		
.156	3.96	.312	7.92		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



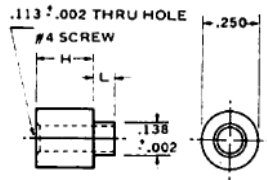
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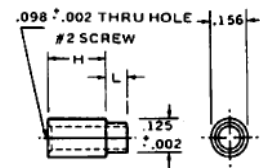
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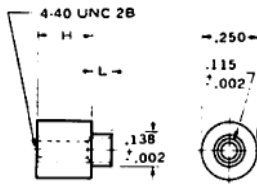
## Standoffs — Brass and Aluminum



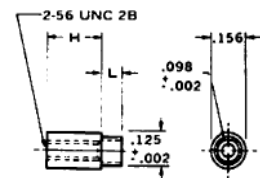
**A1581/B1581**



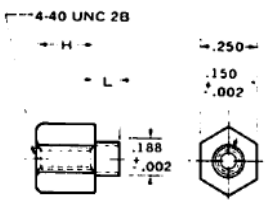
**A1582/B1582**



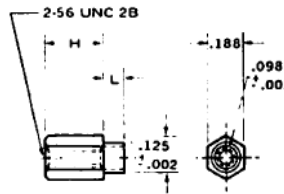
**A1543/B1543**



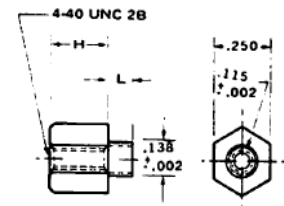
**A1548/B1548**



**A1549/B1549**



**A1542/B1542**



**A1544/B1544**

### HOW TO ORDER

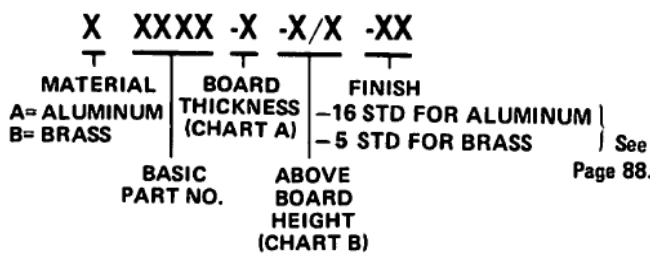


CHART A		
DASH FOR BOARD LETTER	THICKNESS	L
A	1/32	.062
B	1/16	.094
C	3/32	.125
D	1/8	.156

CHART B	
ABOVE BOARD HEIGHT (H DIM.)	
09	= 3/32
12	= 1/8
16	= 5/32
19	= 3/16
25	= 1/4
31	= 5/16
38	= 3/8
50	= 1/2
62	= 5/8
75	= 3/4
88	= 7/8
100	= 1

\*Height other than shown available. Contact Factory.

### SWAGE TOOL

To order, specify: TL, Basic Part Number and decimal e.g. TL1534-19

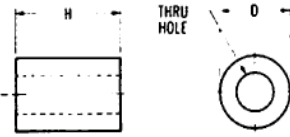
### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.002	.05	.125	3.17	.375	9.52
.032	.81	.138	3.50	.500	12.70
.062	1.57	.150	3.81	.625	15.87
.094	2.39	.156	3.96	.750	19.05
.098	2.49	.188	4.77	.875	22.22
.113	2.87	.250	6.35	1.000	25.40
.115	2.92	.312	7.92		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

## Spacers — Brass and Aluminum

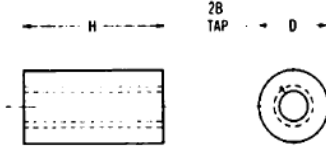
### ROUND - THRU HOLE



A1553/B1553

BASIC PART NO.		FOR MAX. SCREW SIZE	THRU HOLE	H*	D
ALUM.	BRASS				
A1553	B1553	No. 4	.129	12 = 1/8 19 = 3/16 25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.250
A1556	B1556				
A1554	B1554	No. 6	.154	12 = 1/8 19 = 3/16 25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.312
A1555	B1555				
A1557	B1557	No. 6	.140	12 = 1/8 19 = 3/16 25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.375

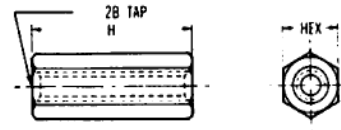
### ROUND - TAPPED



A1563/B1563

BASIC PART NO.		TAP	H*	D
ALUMINUM	BRASS			
A1563	B1563	4-40	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.188
A1566	B1566	2-56	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.250
A1564	B1564	6-32	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.312
A1567	B1567	4-40	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.375
A1568	B1568	10-32	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.375
A1565	B1565	8-32	25 = 1/4 38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4 100 = 1	.375

### HEX - TAPPED



A1574/B1574

BASIC PART NO.		TAP	H*	HEX
ALUMINUM	BRASS			
A1573	B1573	2-56	19 = 3/16 25 = 1/4 31 = 5/16 38 = 3/8 44 = 7/16 50 = 1/2	.156
A1574	B1574	4-40	19 = 3/16 25 = 1/4 31 = 5/16 38 = 3/8 44 = 7/16 50 = 1/2	.188
A1578	B1578	2-56	25 = 1/4 31 = 5/16 38 = 3/8 44 = 7/16 50 = 1/2	.250
A1575	B1575	6-32	25 = 1/4 31 = 5/16 38 = 3/8 44 = 7/16 50 = 1/2 62 = 5/8 75 = 3/4 88 = 7/8 100 = 1	.312
A1579	B1579	4-40	25 = 1/4 38 = 3/8 44 = 7/16 50 = 1/2 62 = 5/8	.375
A-1576	B1576	8-32	25 = 1/4 38 = 3/8 44 = 7/16 50 = 1/2 62 = 5/8	.500
A1577	B1577	8-32	38 = 3/8 50 = 1/2 62 = 5/8 75 = 3/4	.375
A1580	B1580	3/8-32	75 = 3/4	.500

Sizes other than listed available. Contact factory

\* Sizes other than listed available. Contact factory.

NOTE: Length 1.00 and over are drilled & tapped .375 inch deep on each end.

\* Sizes other than listed available. Contact factory.

### HOW TO ORDER

X XXXX -X/X -XX

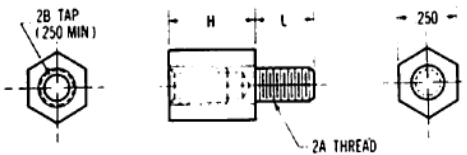
MATERIAL: A = ALUMINUM, B = BRASS  
 BASIC PART NO.: XXXX  
 DIM: H  
 FINISH: -16 STD FOR ALUMINUM, -5 STD FOR BRASS

See Page 80.

### HEX - MALE/FEMALE - THREADED/TAPPED

MATERIAL: ALUMINUM, PER QQ-A-225/3  
 BRASS, PER QQ-B-626, ALLOY 360

FINISH: ALUMINUM ITEMS (-16) CAUSTIC ETCH, YELLOW CHROMATE PER MIL-C-5541B, CLASS 3  
 BRASS ITEMS (-5) TIN PLATE PER MIL-T-10727, TYPE 1



### ORDER BY PART NUMBER

USECO PART NO.		H	L	2B TAP	2A THREAD
ALUMINUM	BRASS				
A1536-25	B1536-25	25 = .250	.187	4-40	4-40
A1536-38	B1536-38	38 = .375	.187	4-40	4-40
A1536-50	B1536-50	50 = .500	.187	4-40	4-40
A1536-62	B1536-62	62 = .625	.187	4-40	4-40
A1536-25	B1536-25	25 = .250	.250	6-32	6-32
A1536-38	B1536-38	38 = .375	.250	6-32	6-32
A1536-50	B1536-50	50 = .500	.250	6-32	6-32
A1536-62	B1536-62	62 = .625	.250	6-32	6-32

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.002	.05	.154	3.91	.375	9.52
.003	.07	.156	3.96	.500	12.70
.005	.12	.180	4.57	.625*	15.87
.125	3.17	.187	4.75	.750	19.05
.129	3.27	.250	6.35	1.000	25.40
.140	3.55	.312	7.92		

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

## Knobs - Shaft Locks

**Brass**

HEX .50 ACROSS FLATS  
 .50  
 .22  
 HEX .44 ACROSS FLATS  
 3/8-32 THD. X .19 DEEP

ORDER BY PART NO.	MAX. SHAFT DIA.	MIN. SHAFT EXT.
1510	.250	.32

**PART No. 1510**

**Brass**

.50  
 .22  
 HEX .31 ACROSS FLATS  
 HEX .38 ACROSS FLATS  
 1/4 - 32 THD. .19 DEEP

ORDER BY PART NO.	MAX. SHAFT DIA.	MIN. SHAFT EXT.
1512	.125	.32

**PART No. 1512**

**Brass**

.50  
 .19  
 .50 KNURLED DIA.  
 HEX .38 ACROSS FLATS  
 1/4-32 THD. X .19 DEEP

ORDER BY PART NO.	MAX. SHAFT DIA.	MIN. SHAFT EXT.
1513	.125	.32

**PART No. 1513**

**Brass**

.72 MAX.  
 3/8-32 THD. X .16 DEEP  
 HEX .44 ACROSS FLATS  
 2.50

**PART No. 1514**

**Brass**

.99 MAX.  
 HEX .50 ACROSS FLATS  
 3/8-32 THD X .19 DEEP  
 HEX .44 ACROSS FLATS  
 2.50

ORDER BY PART NO.	MAX. SHAFT DIA.	MIN. SHAFT EXT.
1515	.250	.32

**PART No. 1515**

**Brass**

.50  
 .19  
 1.00 KNURLED DIA.  
 HEX .50 ACROSS FLATS  
 3/8-32 THD. X .19 DEEP.

ORDER BY PART NO.	MAX. SHAFT DIA.	MIN. SHAFT EXT.
1520	.250	.32

**PART No. 1520**

### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.125	3.17	.310	7.87	.720	18.28
.160	4.06	.320	8.12	.750	19.05
.190	4.82	.380	9.65	.990	25.14
.220	5.58	.440	11.17	1.000	25.40
.250	6.35	.500	12.70	2.000	50.80

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.

**Brass**

.312  
 .591  
 .250  
 6-32 UNC-2A  
 3.5MM x .6MM THREAD .250 DEEP

PART NO.	"L"	H	D
A	.256	.340	.165
B	.193	.336	.185

**PART No. 1505**

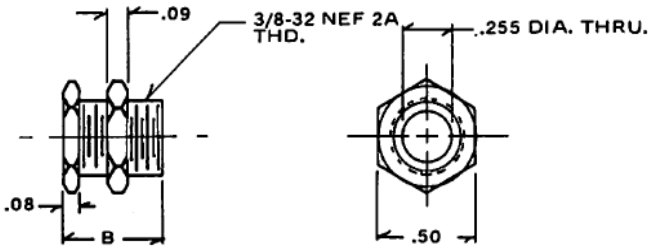


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SPECIFICATIONS COMMON THIS PAGE

STANDARD PLATING:

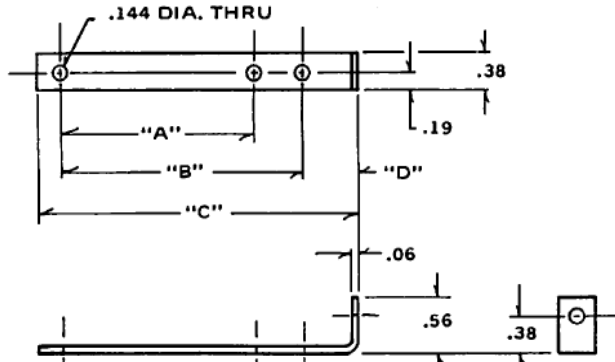
## Accessory Hardware



ORDER BY PART NO.	"B"	SHAFT DIA. MAX.
1560	.562	.250
1560-1	.438	.250
1560-2	.375	.250
1560-3	.620	.250

MATL: BRASS, PER QQ-B-626  
FINISH: NICKEL PLATE PER QQ-N-290, TY II, CL I (-12)

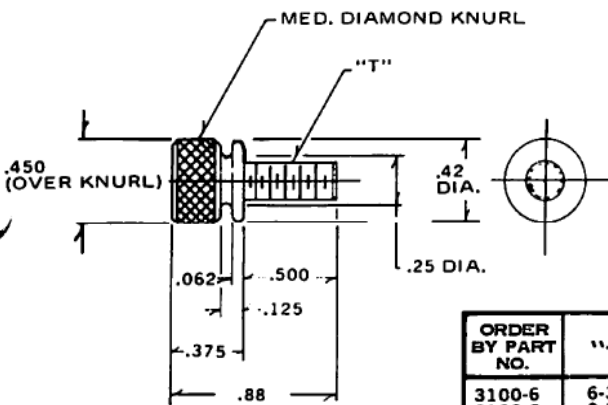
**PART No. 1560**



ORDER BY PART NO.	"A"	"B"	"C"	"D"	REC. USE#
11-2	1.500	2.12	.35	8001 B	
11-3	1.500	2.62	.35	8001 B & C	
11-4	2.000	3.31	.56	8001 C & D	
11-5	1.500	2.81	.56	8001 B & C	

MATL: 1020 COLD ROLLED STEEL PER QQ-S-633.  
FINISH: NICKEL PLATE PER QQ-N-290, CL II (-12)

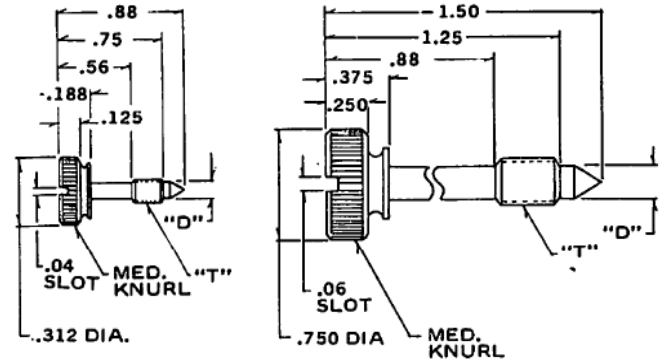
**PART No. 11**



ORDER BY PART NO.	"T"
3100-6	6-32
3100-8	8-32
3100-10	10-32

MATL: BRASS, PER QQ-B-626  
FINISH: NICKEL PLATE PER QQ-N-290, TY II, CL I (-12)

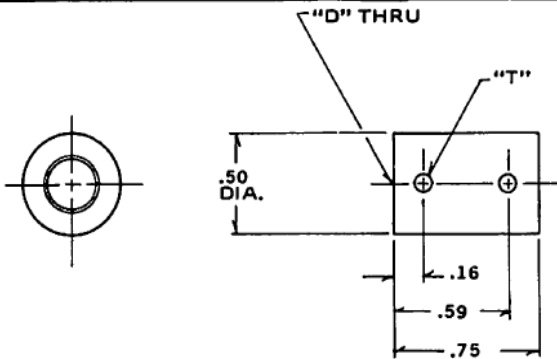
**PART No. 3100**



ORDER BY PART NO.	"D"	"T"
3200-6	.094	6-32
3200-8	.120	8-32
3200-10	.140	10-32

MATL: BRASS, PER QQ-B-626  
FINISH: NICKEL PLATE PER QQ-N-290, TY II, CL I (-12)

**PART No. 3200**



ORDER BY PART NO.	"D"	"T"
3316 A	.251 $\begin{smallmatrix} +.004 \\ -.000 \end{smallmatrix}$ DIA.	6-32 SET SCREWS (4 PLACES)
3316 B	.126 $\begin{smallmatrix} +.004 \\ -.000 \end{smallmatrix}$ DIA.	6-32 SET SCREWS (2 PLACES)

MATL: BRASS, PER QQ-B-626  
FINISH: NICKEL PLATE PER QQ-N-290, TY II, CL I (-12)

**PART No. 3316**

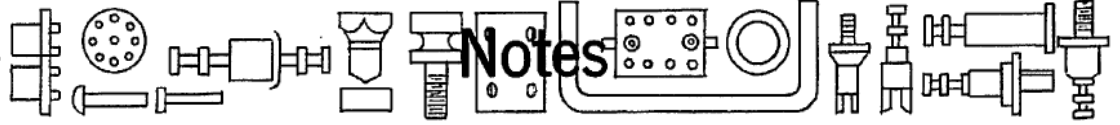
### METRIC CONVERSION CHART

DECIMAL	MILLI-METER	DECIMAL	MILLI-METER	DECIMAL	MILLI-METER
.004	.10	.160	4.06	.420	10.66
.040	1.01	.171	4.34	.450	11.43
.060	1.52	.188	4.77	.500	12.70
.062	1.57	.190	4.82	.560	14.22
.080	2.03	.250	6.35	.562	14.27
.090	2.28	.251	6.37	.590	14.98
.094	2.38	.255	6.47	.620	15.74
.120	3.04	.310	7.87	.750	19.05
.125	3.17	.312	7.92	.810	20.57
.126	3.20	.350	8.89	.880	22.35
.140	3.55	.375	9.52	1.000	25.40
.144	3.65	.380	9.65	2.000	50.80

Metric equivalents (nearest .01 mm) are given for general information only. 1 inch = 25.4 mm.



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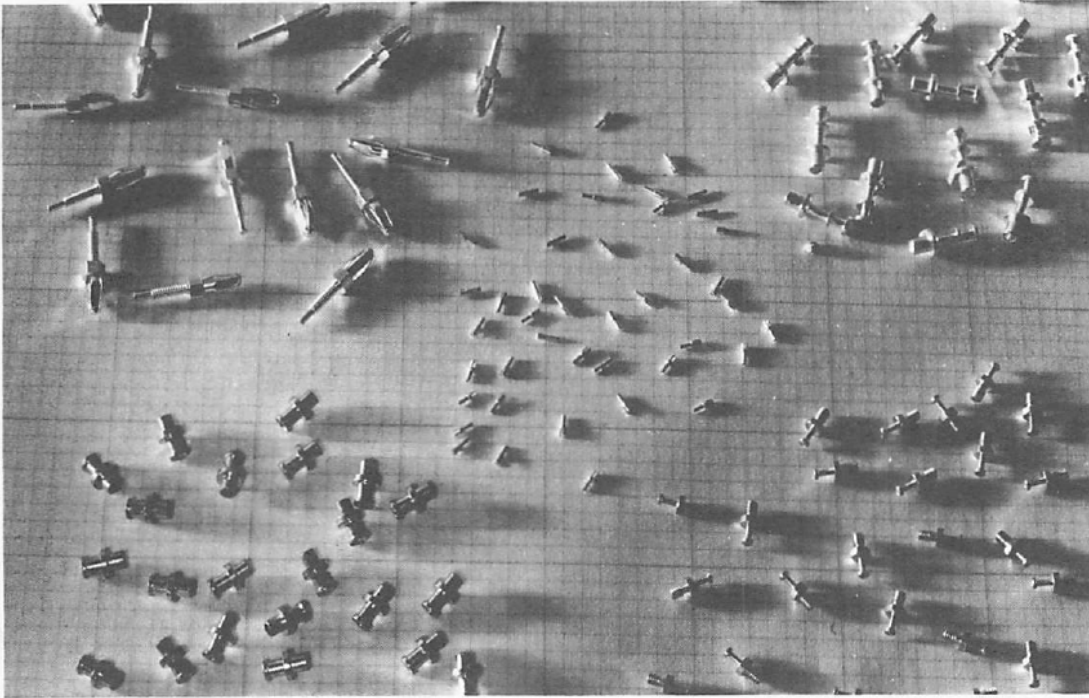
Notes



Now . . . more than ever . . .

# USECO REFLOW

should be your standard finish!



**One Year  
GUARANTEE**  
All parts finished with USECO  
REFLOW are hereby guaran-  
teed for one year shelf life and  
perfect solderability.

## A Space Age Discovery

USECO REFLOW proved to be a "giant step" forward in the art of fusion bonding when the process was successfully developed and used to resolve critical problems on the Saturn V moon rocket J-2 engine.



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# USECO REFLOW

**solves Age Old Plating Problems  
saving Time and Money!**

With USECO REFLOW we guarantee, FOR ONE YEAR, the shelf life of all USECO REFLOW finished parts as well as their solderability in accordance with MIL-STD-202. Method 208.

Although USECO REFLOW is a new and advanced process of fusion bonding solder plate and tin plate, to various substrate materials, it has undergone various and rigid tests and we are proud to offer this one-year guarantee.

The finished part that stays in inventory for long periods and still retains its reliability provides its users with the ability to manufacture to and beyond the production schedule.

## What USECO REFLOW can do...

- Eliminates porosity
- Eliminates plating contaminants
- Gives true intermolecular bonding to the substrate material
- Eliminates need for gold and/or silver in many instances, permitting USECO REFLOW tin and solder plate to be substituted with better end results
- Gives maximum resistance to surface oxidation
- Gives maximum wettability and solderability (we guarantee it for a period of one year)
- Provides an even coating on all parts including those with small bend radii. No cracking – no peeling
- Saves time and materials. Increased wave soldering production rate by as much as 80%
- Provides solid corrosion barrier against salt, acid, gas, smog
- Improves electrical conductivity due to uniformity of plating

**Next time**

*specify*

**USECO REFLOW**

**for all accessory**

**hardware finishes including:**

Eyelets • Flat Packs • Handles • Headers •  
Inserts • Knobs • Marine Hardware • Standoffs •  
Terminals • Wire

**NOTE:** USECO catalog items presently being offered in silver, solder, tin, nickel, or gold platings can be supplied in USECO REFLOW solder or USECO REFLOW tin. The plating callout for USECO REFLOW solder is – 45 and USECO REFLOW tin is – 55.

### **HOW TO ORDER (Example)**

P/N 1280B – 1 (silver plate)

### **FOR USECO REFLOW**

P/N 1280B – 45 (USECO REFLOW solder plate)

P/N 1280B – 55 (USECO REFLOW tin plate)

Samples available upon request. Please call 818-786-9381  
or write us today.





### **USECO REFLOW tin and solder platings – Better Than Gold!**

The following serves to underline the basic failure mechanisms encountered with gold platings:

Excerpts from North American Technical Reports:

Technical Report, Rome Air Development Center TR-67-221/Reliability of Microelectronic Circuit Connections.

1. "Low strengths in marginal and submarginal connections were attributed to the Au-Sn-Pb intermetallics."
2. "Data gathered during this investigation indicates that Au-Sn-Pb intermetallic formations are a failure mechanism in marginal and sub-marginal connections and a contributing factor to weak normal soldered connections. If failures were to occur in a normal soldered connection,  $Au_x (Pb,Sn)_y$  intermetallics would most likely be a prime factor mechanism."

Autonetics Technical Report T7-2368/501/Metallurgical Aspects of Soldering Gold and Gold Plating.

1. "Contamination of the base metal by diffusion of oxidants into porous plating or oxidation of the base metal after it diffuses through the gold reduces solderability considerably."
2. "The work conducted for Rome Air Development Center revealed the fractures in massive Au-Sn-Pb intermetallic formations in marginal lap-solder joints could be a failure mechanism when the environment is made sufficiently severe."
3. "Two degrading mechanisms that can affect the solderability of gold plating:
  - (a) "Atmospheric contaminants diffusing through porous gold plating, oxidized the underlying base metal."
  - (b) "Base metal underlying the gold plating, diffused through the plating and oxidized upon reaching the surface."
4. "Bend testing indicated a considerable reduction in ductility at gold content above five (5) percent. Specimen with ten (10) and (15) percent gold in tin and lead content are extremely brittle and may fracture without apparent bending."
5. "It appears that solders containing gold in excess of four (4) percent, which were exhibiting micro-structures with massive Au-Sn phases, may be sensitive to vibration and shock environments. Ductility also drops off near this value and tensile ductility (elongation and reduction of area) is reduced."



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CODE NO.	TYPE OF PLATING	THICKNESS OF PLATE	APPLICABLE SPECIFICATIONS
-00	None	(No Plating)	
-1	Silver Copper	.00030 min. .00010 min.	QQ-S-365, Type III, Grade A Mil-C-14550, Class 4
-3	Gold Copper	.00005 min. .00010 min.	Mil-G-45204, Type I or II, Grade C, Class 1 Mil-C-14550, Class 4
-32	Gold Copper	.00010 min. .00010 min.	Mil-G-45204, Type I or II, Grade C, Class 2 Mil-C-14550, Class 4
-33	Gold Silver Matte	.00003 min. .00030 min.	Mil-G-45204, Type I or II Grade C, Class 0 QQ-S-365 Type II
-34	Gold Copper	.00005 min. .00010 min.	Mil-G-45204, Type III, Grade A, Class 1 Mil-C-14550, Class 4
-35	Gold Copper	.00010 min. .00010 min.	Mil-G-45204, Type III, Grade A, Class 2 Mil-C-14550, Class 4
-7	Gold Copper	.00002 min. .00010 min.	Mil-G-45204, Type I or II, Grade C, Class 00 Mil-C-14550, Class 4
-8	Gold Nickel	.00003 min. .00005 min.	Mil-G-45204, Type I or II, Grade C, Class 0 QQ-N-290
-10	Gold Copper	.00003 min. .00010 min.	Mil-G-45204, Type I or II, Grade C, Class 0 Mil-C-14550, Class 4
-4	Tin Lead Copper (not reflowed)	.00030 min. .00010 min.	Mil-P-81728 Mil-C-14550, Class 4
** -45	Tin Lead Copper (reflowed)	.00030 min. .00010 min.	Mil-P-81728 Mil-C-14550, Class 4 Plating thickness prior to reflow

\*\*Meets Mil-T-55155

CODE NO.	TYPE OF PLATING	THICKNESS OF PLATE	APPLICABLE SPECIFICATIONS
**5	Tin Copper	.00030 min. .00010 min.	Mil-T-10727, Type I Mil-C-14550, Class 4
**51	Tin Copper	.00010 min. .00010 min.	Mil-T-10727, Type I Mil-C-14550, Class 4
-55	Tin Copper (reflowed)	.00030 min. .00010 min.	Mil-T-10727, Type I Mil-C-14550, Class 4 Plating thickness prior to reflow
-11	Cadmium (Bright)	.00030 min.	QQ-P-416, Type I, Class 2
-111	Cadmium (Bright)	.00020 min.	QQ-P-416, Type I, Class 3
-112	Cadmium (Yellow Chromate)	.00030 min.	QQ-P-416, Type II, Class 2
-113	Cadmium (Yellow Chromate)	.00020 min.	QQ-P-416, Type II, Class 3
-12	Nickel Copper	.00010 min. .0001 min.	QQ-N-290 Mil-C-14450, Class IV
-13	Chrome Nickel	.000015 min. .00030 min.	QQ-C-320, Class 1, Type I QQ-N-290
-132	Chrome (Satin) Nickel	.000015 min. .00030 min.	QQ-C-320, Class 1, Type II QQ-N-290
-14	Black Oxide Ebonal "C" Copper	_____	Mil-F-495 Mil-C-14550
-15	Nickel Copper	.00060 min. .00005 min.	QQ-N-290, GRADE E Mil-C-14550, Class 4
-16	Chromate Conversion (Yellow)	_____	Mil-C-5541, Class 3
-17	Passivate	_____	QQ-P-35
-172	Black Passivate	_____	Mil-C-13924, Class III
-18	Zinc Chromate Conversion	.001	QQ-Z-325, Type II, Class
-181	Zinc	.0003 min.	QQ-Z-325 Type I No under plate necessary

ALUMINUM	20	CLEAR ANODIZE BUFFED	PER MIL-A-8625 TY. II  Other Colors Available Upon Request
	28	GREY	
	29	BLACK SEMI-FROST ANODIZE E (BEST COMMERCIAL)	
	30	BLACK ANODIZE BUFFED	
	31	CLEAR SEMI-FROST ANODIZE E (BEST COMMERCIAL)	

NOTE: UNLESS OTHERWISE SPECIFIED ALL USECO PARTS SHALL HAVE A .00002 THICK INTERMEDIATE COPPER PLATE.



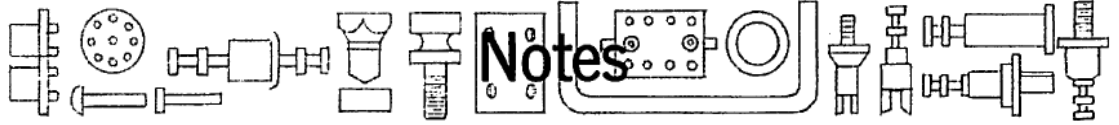
# Decimal Equivalent Chart



## STANDARD CONVERSION TABLE

4ths	8ths	16ths	32nds	64ths	To 4 PLACES	To 3 PLACES	To 2 PLACES	USECO LENGTH CODE	4ths	8ths	16ths	32nds	64ths	To 4 PLACES	To 3 PLACES	To 2 PLACES	USECO LENGTH CODE				
1/4	1/8	1/16	1/32	1/64	.0156	.016	.02	02	3/4	5/8	9/16	17/32	33/64	.5156	.516	.52	52				
					.0312	.031	.03	03						35/64	.5312	.531	.53	53			
					.0469	.047	.05	05						37/64	.5469	.547	.55	55			
				1/16			.0625	.063			.06	06			19/32	39/64	.5625	.563	.56	56	
					3/32	5/64	.0781	.078			.08	08				21/32	41/64	.5781	.578	.58	58
						7/64	.0938	.094			.09	09				23/32	43/64	.5938	.594	.59	59
							.1094	.109			.11	11				25/32	45/64	.6094	.609	.61	61
						9/64	.1250	.125			.12	12				27/32	47/64	.6250	.625	.62	62
							.1406	.141			.14	14				29/32	49/64	.6406	.641	.64	64
						11/64	.1562	.156			.16	16				31/32	51/64	.6562	.656	.66	66
							.1719	.172			.17	17				13/16	53/64	.6719	.672	.67	67
						13/64	.1875	.188			.19	19				27/32	55/64	.6875	.688	.69	69
							.2031	.203			.20	20				15/16	57/64	.7031	.703	.70	70
						7/32	.2188	.219			.22	22				31/32	61/64	.7188	.719	.72	72
							.2344	.234			.23	23				1/8	63/64	.7344	.734	.73	73
					15/64	.2500	.250	.25	25				3/8	65/64	.7500	.750	.75	75			
						.2656	.266	.27	27					7/8	.7656	.766	.77	77			
					9/32	.2812	.281	.28	28					1/4	.7812	.781	.78	78			
						.2969	.297	.30	30					5/8	.7969	.797	.80	80			
					19/64	.3125	.313	.31	31					3/4	.8125	.813	.81	81			
						.3281	.328	.33	33					1/2	.8281	.828	.83	83			
					11/32	.3438	.344	.34	34					1/4	.8438	.844	.84	84			
						.3594	.359	.36	36					3/8	.8594	.859	.86	86			
					23/64	.3750	.375	.38	38					1/2	.8750	.875	.88	88			
						.3906	.391	.39	39					5/8	.8906	.891	.89	89			
					13/32	.4062	.406	.41	41					3/4	.9062	.906	.91	91			
						.4219	.422	.42	42					7/8	.9219	.922	.92	92			
					27/64	.4375	.438	.44	44					1/4	.9375	.938	.94	94			
						.4531	.453	.45	45					3/8	.9531	.953	.95	95			
					29/64	.4688	.469	.47	47					1/2	.9688	.969	.97	97			
						.4844	.484	.48	48					5/8	.9844	.984	.98	98			
				31/64	.5000	.500	.50	50					3/4	1.0000	1.000	1.00	100				

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Notes



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