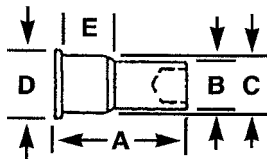
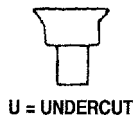


# FASTENERS

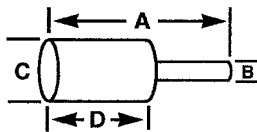


**A = OVERALL LENGTH**  
**B = SHAFT DIAMETER**  
**C = SHOULDER DIAMETER**  
**D = HEAD DIAMETER**  
**E = SHOULDER LENGTH (Under Head)**  
**M = MATERIAL**  
**A = ALUMINUM    S = STEEL**  
**H = HEAD TYPE**  
**F = FLAT**  
**D = DOME**  
**U = UNDERCUT**  
**TE = TYPE END**  
**H = HOLLOW**  
**S = SOLID**  
**SH = SEMI-HOLLOW**



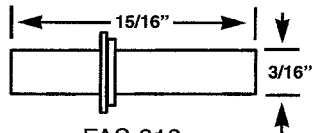
## SHOULDER RIVETS

PART #	B	A	C	D	E	M	H	TE
FAT 908	.140	.490	.180	.275	.180	A	F	H
FAS 933	.140	.470	.175	.290	.200	A	D	H
FAT 916	.150	.465	.205	.310	.135	A	F	H
FAT 904	.150	.375	.215	.300	.130	A	F	H
FAS 971	.150	.350	.185	.250	.120	A	D	H
FAS 942	.150	.395	.185	.270	.290	A	F	S
FAT 919	.150	.415	.205	.305	.100	A	F	H
FAT 912	.150	.345	.215	.375	.165	S	F	H
FAS 906	.180	.440	.240	.375	.190	A	F	H
FAS 954	.180	.435	.245	.375	.200	A	F	H
FAS 975	.180	.345	.240	.310	.100	A	F	S
FAT 926	.180	.535	.245	.370	.165	A	D	SH
FAS 934	.180	.420	.240	.380	.160	A	D	H
FAT 901	.180	.471	.240	.305	.235	A	D	H
FAS 997	.180	.350	.235	.345	.115	A	F	H
FAT 909	.180	.380	.240	.350	.145	A	F	H
FAS 999	.180	.350	.235	.340	.115	A	F	H
FAS 902	.181	.550	.245	.360	.195	A	O	H
FAS 932	.185	.590	.250	.370	.200	A	D	H
FAT 902	.185	.525	.245	.360	.250	A	D	H
FAS 998	.185	.570	.245	.350	.255	A	D	H
FAS 907	.185	.375	.240	.370	.175	A	F	H
FAS 9	.190	.445	.330	.375	.150	A	U	H
FAT 925	.240	.435	.305	.435	.145	A	D	H
FAS 980	.240	.320	.300	.400	.120	S	F	S
FAS 959	.240	.465	.365	.500	.120	A	F	S
FAS 972	.245	.450	.310	.440	.130	A	D	H
FAS 924	.250	.560	.305	.500	.250	A	F	S
FAS 84	.270	.500	.425	.620	.225	A	F	S
FAS 955	.270	.650	.430	.625	.360	A	F	SH

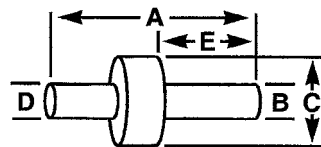


### RIVET PIN

	A	B	C	D	TE	M
FAS 960	.470	.245	.310	.310	H	A
FAS 964	.470	.310	.375	.320	H	A



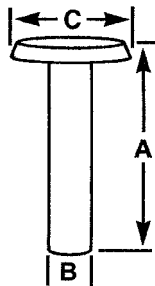
FAS 913  
RIVET PIN  
W/SHOULDER



### RIVET PIN WITH SHOULDER

	A	B	C	D	E	TE	M
FAS 913	.970	.185	.350	.185	.600	S	A
FAS 930	.680	.240	.385	.245	.340	H	A

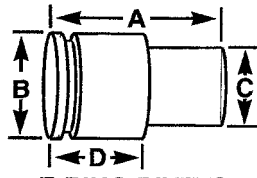
## STRAIGHT RIVETS



PART #	B DIAM	A LGTH	C HEAD DIAM	H	M	PART #	B DIAM	A LGTH	C HEAD DIAM	H	M
FAS 947	.070	.342	.120	F	S	FAS 952	.180	.765	.375	D	A
FAT 905	.085	.460	.145	F	A	FAT 911	.180	.530	.375	D	A
FAS 966	.093	.220	.000	D	S	FAS 904	.185	.355	.310	D	A
FAS 929	.093	.280	.190	D	A	FAS 949	.185	.530	.370	D	A
FAS 930	.093	.500	.190	D	A	FAS 990	.185	.630	.310	D	S
FAS 901	.093	.064	.185	P	A	FAS 95	.185	.610	.310	F	S
FAS 953	.095	.405	.190	F	S	FAS 974	.185	.250	.315	U	A
FAT 918	.095	.620	.190	F	S	FAS 989	.185	.750	.320	D	S
FAT 907	.115	.470	.215	F	A	FAS 948	.185	.385	.315	D	A
FAT 906	.115	.700	.190	D	A	FAS 979	.190	.395	.390	F	A
FAS 995	.115	.655	.220	D	S	FAS 86	.230	.580	.285	F	S
FAS 941	.140	.471	.235	D	S	FAS 985	.240	.525	.330	F	S
FAS 994	.140	.430	.320	D	A	FAS 944	.240	.770	.480	F	A
FAS 969	.155	.270	.385	D	A	FAS 90	.242	.740	.300	F	A
FAS 950	.160	.510	.310	D	A	FAS 69	.242	.550	.320	F	S
FAS 987	.180	.300	.375	D	A	FAS 984	.245	.775	.435	D	S
FAS 88	.180	.500	.200	F	S	FAS 87	.245	.820	.325	F	S



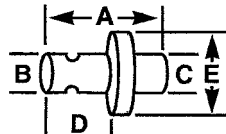
# FASTENERS



H = HEAD  
M = MATERIAL  
TE = TYPE END

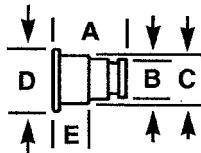
### E-RING RIVETS

PART#	B	D	C	A	TE
FAT 913	.300	.245	.240	.490	H
FAS 958	.300	.340	.245	.580	H
FAS 967	.300	.280	.240	.440	H
FAS 58	.300	.300	.185	.510	SH
FAS 961	.300	.205	.225	.345	SH
FAS 977	.300	.265	.180	.490	S
FAS 968	.300	.220	.220	.420	H
FAS 963	.300	.300	.250	.490	SH
FAS 42	.305	.260	.180	.490	S
FAS 973	.305	.205	.240	.365	H
FAS 962	.305	.375	.245	.615	SH
FAS 988	.310	.200	.240	.365	SH
FAS 976	.310	.290	.245	.600	H
FAS 936	.310	.250	.240	.550	H
FAS 39	.310	.300	.243	.600	H
FAS 937	.310	.310	.240	.525	SH
FAS 992	.365	.500	.238	.765	SH
FAS 85	.365	.375	.245	.630	SH
FAS 77	.370	.315	.240	.570	SH



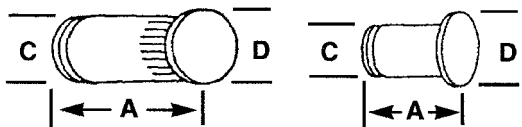
### E-RING COLLAR RIVETS

	A	B	C	D	E	TE	M
FAT 920	.455	.250	.250	.270	.310	H	S
FAT 922	.565	.250	.250	.350	.375	H	A



### E-RING SHOULDER STUDS

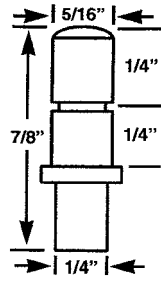
PART #	C	B	A	D	E	M	H
FAS 10	.219	.313	.438	.375	.175	A	F
FAS 14	.313	.250	.406	.435	.150	A	F
FAS 97	.300	.245	.475	.435	.165	A	M
FAS 957	.300	.240	.315	.420	.165	A	D



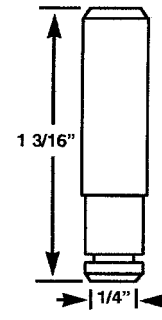
### E-RING PINS

PART #	C	D	A	H	M	DESC
FAT 914	.245	.305	.470	F	AL	PLAIN
FAS 978	.300	.430	.485	F	AL	PLAIN
FAS 31	.300	.375	.520	F	AL	KNURL
FAS 59	.310	.370	.525	F	A	KNURL
FAS 50	.310	.375	.535	F	A	KNURL
FAS 30	.365	.440	.460	F	AL	KNURL

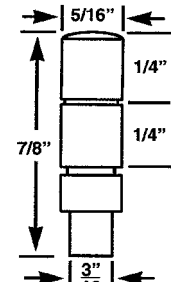
### E-RING RIVETS



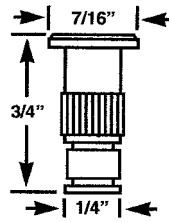
FAS 982  
DOUBLE E-RING



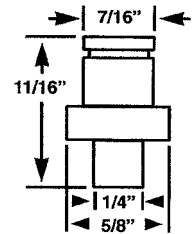
FAS 966  
E-RING  
STUD



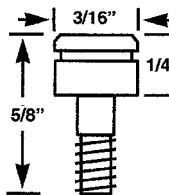
FAS 981  
DOUBLE E-RING



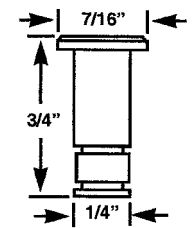
FAT 915  
DOUBLE E-RING



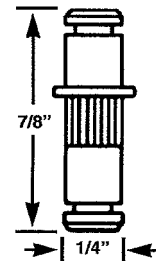
FAS 82  
E-RING RIVET



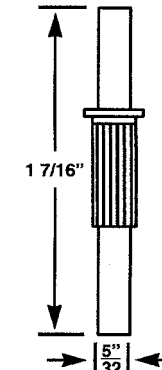
FAS 76  
SHOULDER BOLT  
10-24 THREAD



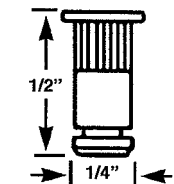
FAT 917  
DOUBLE E-RING



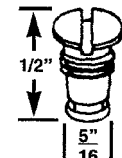
FAS 51  
GENERAL  
LONG STUD



FAS 99  
PIN



FAS 50  
GENERAL  
SHORT STUD



FAS 22  
VENT HINGE  
PIN



250  
PER  
ROLL

### E-RINGS

FAT 43	#18	3/16
FAS 11	#21	3/16
FAS 15	#25	1/4
FAS 26	#31	5/16
FAS 25	#37	3/8
FAT 7	#50	1/2



## REPLACEMENT HARDWARE Mfg., Inc.

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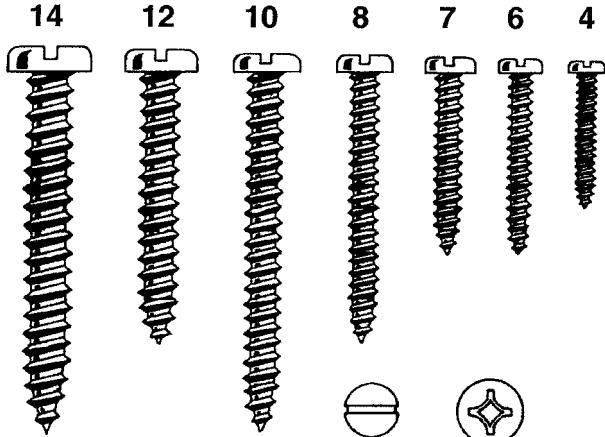
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9B3  
SECTION B

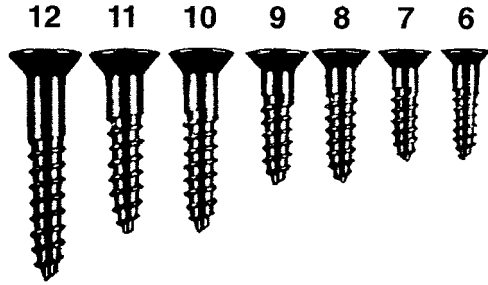
REV. 3/98

# FASTENERS

## SHEET METAL SCREW ACTUAL SIZE CHART

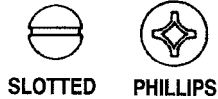


## WOOD SCREW ACTUAL SIZE CHART

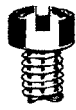


LARGE SELECTION OF POPULAR  
WINDOW & DOOR FASTENERS IN STOCK.

CHECK WITH CUSTOMER SERVICE FOR SIZES &  
LENGTHS AVAILABLE.



SLOTTED PHILLIPS



FILLISTER (P)



FLAT (F)



BINDING (B)



TRUSS (T)



ROUND (R)



PAN (D)



OVAL (O)

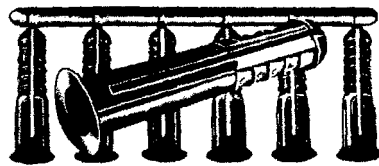


PACKED  
IN 100'S



SOME ITEMS  
AVAILABLE IN  
STAINLESS  
STEEL.

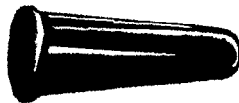
## ANCHORS



FAS 750	6-8	3/16	PLASTIC
FAS 750 NC	6-8	3/16	PLASTIC
FAS 751	10-12	1/4	PLASTIC



FAS 61  
3/16 x 7/8



FAS 752 14-18 5/16 PLASTIC



FAS 4  
1/4-20



FAS 753 10 x 1 1/4 PAWL PLUG

IF IN DOUBT ON ANY PART -- SEND SAMPLE FOR IDENTIFICATION.  
WE ARE CONSTANTLY ADDING ADDITIONAL ITEMS TO SERVE YOU BETTER.

9B4  
SECTION B  
REPRINT 3/98



## REPLACEMENT HARDWARE Mfg., Inc.

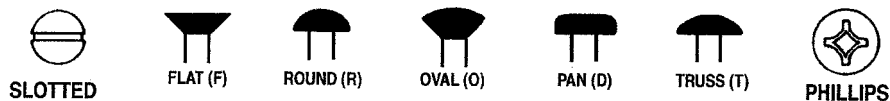
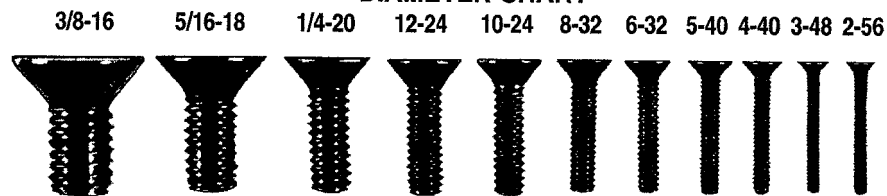
500 West 84 Street, Hialeah, FL 33014

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# FASTENERS

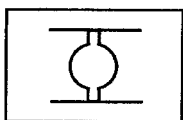


## MACHINE SCREW DIAMETER CHART



### SPANNERS

FAS 940	10-24 X 3/4	PAN SPANNER	18-8 STAINLESS	(SNAKE EYES)
FAT 103	10 x 1 1/4	SPANNER	STAINLESS	
FAS 450	8 x 1/2	TRUSS SPANNER	STAINLESS	



**TINNERMAN  
NUTS**  
FAS 309 5/16  
FAT 16 3/16  
FAS 809 #8



**HEX FINISHED  
HEX NUTS**  
FAS 242 1/4-20  
FAS 302 1/4-20  
FAS 302SS 5/16-18  
FAT 403 3/8-24

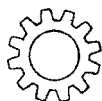


**HEX  
(MACHINE SCREW)  
HEX NUTS**  
FAS 245 1/4-28  
FAS 655 6-32  
FAT 162 10-32  
FAT 165 10-24



**P.M. NUTS**  
FAS 102 10-24  
FAS 870 8-32

AVAILABLE IN BAGS OF 100



**EXTERNAL STAR**  
FAT 605  
FAT 606



### FLAT WASHERS

	OD	ID	THICK	M
FAT 601	1/2	7/8		SS
FAT 602	3/4	7/16	1/32	S
FAT 603	3/4	7/16		AL
FAT 604	3/4	7/16		
FAT 608	3/4	7/16		AL
FAT 610	7/16	1/4	.03	



**INTERNAL STAR**  
FAS 301



**ACORN**  
FAT 6 #8



**WAVEY WASHERS**  
OD ID  
FAT 611 15/32 5/16  
FAT 613 9/16 11/64  
FAT 614 7/16 1/4

IF IN DOUBT ON ANY PART -- SEND SAMPLE FOR IDENTIFICATION.  
WE ARE CONSTANTLY ADDING ADDITIONAL ITEMS TO SERVE YOU BETTER.



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9B5  
**SECTION B**  
REPRINT 3/98

# FASTENERS

## SHOULDER BOLTS



FAS 12  
5/16-18



FAS 13  
1/4-20



FAS 28  
KELLER

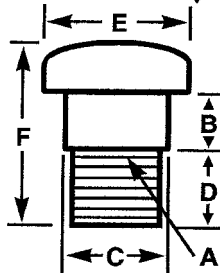


FAS 29  
OLD A C

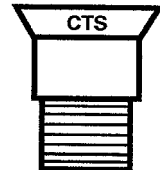
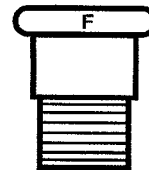
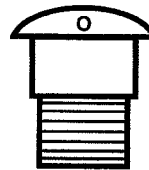


FAT 811  
SHOULDER  
BOLT  
#8 SMS

AVAILABLE  
IN BAGS  
OF 25



- A - THREAD SIZE
- B - SHOULDER LENGTH
- C - SHOULDER DIAMETER
- D - THREAD LENGTH
- E - HEAD DIAMETER
- F - BOLT LENGTH
- G - HEAD STYLE
- H - DRIVE
- I - MATERIAL



### SHOULDER BOLTS

PART #	A	B	C	D	E	F	G	H	I
FAS 13	1/4-20	.188	.313	.188	.500	.474	F	P	A
FAS 29	1/4-20	.270	.300	.210	.454	.540	F	P	A
FAS 28	1/4-20	.165	.305	.205	.435	.460	F	P	A
FAT 9	1/4-20	.280	.370	.250	.500	.635	O	S	A
FAS 73	1/4-28	.170	.210	.175	.405	.390	F	P	S
FAT 45	10-32	.190	.210	.135	.310	.425	F	S	A
FAT 11	10/24	.185	.300	.125	.385	.425	L	S	A
FAT 10	10/24	.200	.245	.250	.370	.530	O	P	A
FAT 20	10/24	.140	.305	.210	.370	.415	O	S	A
FAS 12	5/16-18	.219	.375	.188	.563	.518	O	P	A
FAS 98	5/16-18	.219	.375	.250	.563	.530	O	P	A
FAT 18	5/16-18	.200	.370	.225	.500	.535	F	P	A
FAT 811	8 SMS	.240	.225	.195	.280	.480	F	S	A
FAS 89	8-32	.150	.205	.250	.325	.514	C	P	SS

### DRIVES



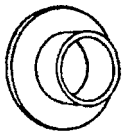
P - PHILLIPS



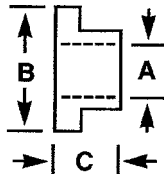
S - SLOTTED



H - HEX

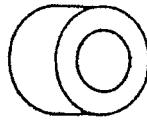


NYLON

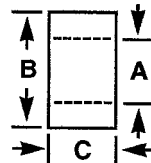


### HAT BUSHINGS

	A	B	C
WPA 43	.390	.550	.190
WPA 53	.305	.600	.160
WPA 68	.250	.440	.150
WPA 70	.260	.600	.168
WPA 72	.330	.500	.145
WPA 96	.320	.630	.167
WPA 151	.320	.624	.170
WPA 158	.245	.565	.230
CDF 516	.320	.585	.185
CDF 517	.250	.525	.180
CDF 519	.245	.540	.185

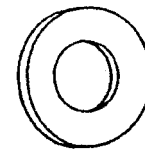


NYLON

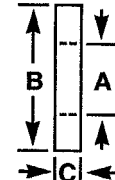


### ROUND BUSHINGS

	A	B	C
WPA 51	.260	.370	.154
WPA 111	.445	.564	.206
WPA 112	.475	.550	.317
WPA 116	.257	.375	.145
WPA 121	.380	.440	.280
WPA 139	.380	.512	.220
WPA 144	.385	.440	.148
WPA 201	.260	.435	.160



NYLON



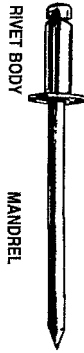
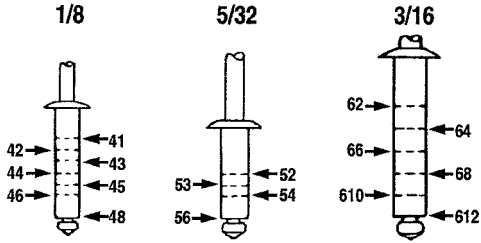
### FLAT WASHERS

	A	B	C
WPA 54	.160	.630	.030
WPA 130	.270	.432	.030
WPA 131	.385	.753	.064
WPA 132	.260	.625	.030



# FASTENERS

## POP RIVETS



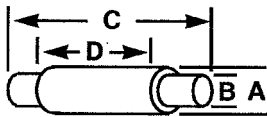
## STOCK POP RIVETS

STANDARD  
PACKS OF 100 • BULK  
SPECIAL PRICING

FAS 701	#42
FAS 702	#44
FAS 703	#54
FAS 704	#64
FAS 705	#66
FAS 706	#43
FAS 707	#46
FAS 708	#56
FAS 709	#612

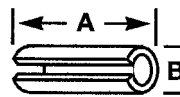
### HOW TO MEASURE "POP" RIVETS

Superimpose your sample on the drawing with the head, body and rivet diameter.  
Look for arrow where the end of the rivet body intercepts drawing.  
This gives the correct size number.



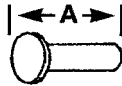
### STEP AXLES

	A	B	C	D
FAS 91	.240	.210	.670	.350
FAS 96	.250	.220	.540	.342
FAT 44	.185	.165	.335	.180



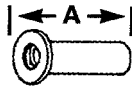
### ROLL PINS

	A	B
FAS 20	.800	.130
FAS 92	1.675	.255
FAT 21	1.000	.165
FAT 22	.635	.102
FAT 23	.750	.100
FAT 24	.504	.168
FAT 25	.745	.200
FAT 48	.625	.250



### BINDING POSTS

	A
FAS 659	6-32 x 1
FAS 874	8-32 x 3/8
FAS 62	8-32 x 1/2
FAS 871	8-32 x 3/4
FAT 3	10-32 x 7/16
FAS 27	10-32 x 9/16



### RIVET NUTS

	A
FAS 65	8-32 x 1/2
FAS 67	8-32 x 3/8
FAS 956	8-32 x 1/4
FAT 163	10-32 x 1/2



DECIMAL EQUIVALENTS

1/64"	.0156
1/32"	.0312
3/64"	.0468
1/16"	.0625
5/64"	.0781
3/32"	.0937
7/64"	.1094
1/8"	.1250
9/64"	.1406
5/32"	.1562
11/64"	.1719
3/16"	.1875
13/64"	.2031
7/32"	.2187
15/64"	.2344
1/4"	.2500
17/64"	.2656
9/32"	.2812
19/64"	.2969
5/16"	.3125
21/64"	.3281
11/32"	.3437
23/64"	.3594
3/8"	.3750
25/64"	.3906
13/32"	.4062
27/64"	.4219
7/16"	.4375
29/64"	.4531
15/32"	.4687
31/64"	.4844
1/2"	.5000
33/64"	.5156
17/32"	.5312
35/64"	.5469
9/16"	.5625
37/64"	.5781
19/32"	.5937
39/64"	.6094
5/8"	.6250
41/64"	.6406
21/32"	.6562
43/64"	.6719
11/16"	.6875
45/64"	.7031
23/32"	.7187
47/64"	.7344
3/4"	.7500
49/64"	.7656
25/32"	.7812
51/64"	.7969
13/16"	.8125
53/64"	.8281
27/32"	.8437
55/64"	.8594
7/8"	.8750
57/64"	.8906
29/32"	.9062
59/64"	.9219
15/16"	.9375
61/64"	.9531
31/32"	.9687
63/64"	.9843
1"	1.000

IF IN DOUBT ON ANY PART -- SEND SAMPLE FOR IDENTIFICATION.  
WE ARE CONSTANTLY ADDING ADDITIONAL ITEMS TO SERVE YOU BETTER.

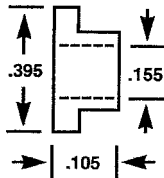
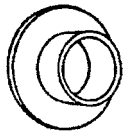


## REPLACEMENT HARDWARE Mfg., Inc.

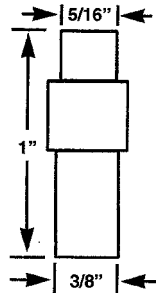
500 West 84 Street, Hialeah, FL 33014  
(305) 558-5051 • FAX 305-557-5239 • NATIONAL 800-780-5051

9B7  
SECTION B  
REV. 3/98

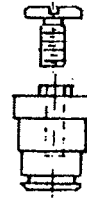
# FASTENERS



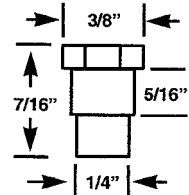
FAS 986  
ALUMINUM  
EYELET



FAS 83  
8-32 THREAD



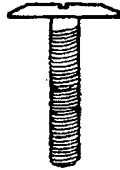
WPA 49  
CAM LOCK  
RIVET Y O



FAS 49  
STANLEY  
REPAIR STUD  
10-32



WPA 65  
STANLEY  
SHORT SHAFT  
EXTENSION



FAS 1  
1/4-20 x 1  
SIDEWALK  
BOLT  
SLOTTED  
HEAD



**CARRIAGE BOLTS**  
FAT 304 5/16-18 x 1/2  
FAT 305 5/16-18 X 1  
FAT 306 5/16-18 x 1 1/4  
FAT 307 5/16-18 x 1 1/2  
FAS 239 1/4-20 x 1 1/4



FAS 143  
10-24 x 1/2  
HEX CAP  
BLACK



**HEX WASHER  
HEADS**  
FAS 611 6 x 3/8  
FAS 624 6 x 1/2  
FAT 301 8 x 1/2  
FAT 302 8 x 1



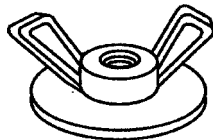
**HEX WASHER  
TEKS**  
FAS 176 10 x 1/2  
FAS 190 10 x 1  
FAS 195 10 x 1



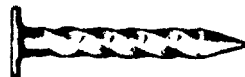
**THREAD-CUTTER  
TEKS**  
FAT 115 10 x 1 PAN  
FAT 116 10 x 1 1/2 PAN



**SET SCREWS**  
FAS 116 10-24 x 1/4  
FAS 244 1/4-20 x 1/4  
FAS 246 1/4-28 x 1/4  
FAS 174 10-32 x 3/16



FAS 3  
WASHER  
WING NUT



**NAILS**  
• SPIRAL NAILS •  
• FLAT HEAD • HARDENED •  
• DIAMOND POINT •  
FAS 622 6 x 7/8  
FAT 35 11 x 1 1/4



**THUMB SCREWS**  
FAS 2 1/4-20 x 1/2  
FAS 877 8-32 x 9/16

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