

# ASTRON

Precision • Stamping • Solutions

- Standard Brass
- Silicon Bronze
- Brass Miscellaneous
- Nickel-Copper Alloy 400
- 18-8 Stainless Steel
- Copper Miscellaneous

## Standard Brass

ASTRON			NOMINAL		
ITEM			ID x	OD x	THK
CODE	SCREW	BOLT			
7671	No. 1		.078 x	.187 x	.016
7704	No. 2S		.092 x	.187 x	.018
7707	No. 2L		.092 x	.218 x	.020
7784	No. 3		.101 x	.250 x	.020
7871	No. 4		.120 x	.281 x	.025
7987	No. 5		.133 x	.281 x	.025
8068	No. 6L	1/8L	.147 x	.375 x	.032
8131	No. 8S	5/32	.172 x	.375 x	.032
8146	No. 8L	5/32L	.172 x	.437 x	.036
8252	No. 10S	3/16	.200 x	.437 x	.036
8255	No. 10L	3/16L	.200 x	.500 x	.040
8368	No. 12S	7/32	.228 x	.500 x	.040
8374	No. 12L	7/32L	.228 x	.562 x	.040
8500	No. 14S	1/4	.260 x	.562 x	.040
8503	No. 14L	1/4L	.260 x	.687 x	.051
8583	No. 16S		.281 x	.625 x	.040
8589	No. 16L		.281 x	.750 x	.062
8616	No. 18S	9/32	.312 x	.687 x	.051
8626	No. 18L	9/32L	.312 x	.875 x	.062
8691	No. 20S	5/16	.343 x	.750 x	.062

**Standard Brass (cont.)**

8697	No. 20L	5/16L	.343 x .875 x .062
8775	No. 24S	3/8	.390 x .875 x .062
8787	No. 24L	3/8L	.390 x 1 x .081
8862	No. 30	7/16	.500 x 1.125x .081
8910	No. 34	1/2	.562 x 1.250x .091
8914		1/2L	.562 x 1.375x .091
8952		5/8	.687 x 1.500x .102
8951		5/8L	.687 x 1.750x .102
8976		3/4	.812 x 1.875x .114
8978		3/L	.812 x 2 x .114
8991		7/8	.937 x 2.250x .128
9018		1"	1.062 x 2.500x .144
9031		1 1/4	1.375 x 3 x .156

**Silicon Bronze**

ASTRON

ITEM CODE	SCREW	BOLT	NOMINAL		
			ID x	OD x	THK
7379	COM'L No. 6		.147 x .375 x .032		
9209	COM'L No. 8		.172 x .375 x .032		
7391	MISC No. 10		.203 x .406 x .040		
7389	COM'L No. 10		.203 x .437 x .036		
7394	COM'L No. 12		.228 x .500 x .040		
7407	COM'L No. 14L	1/4	.260 x .687 x .040		
7412	MISC	1/4	.281 x .500 x .062		
7415	SAE	1/4	.281 x .625 x .062		
7416	MISC	1/4	.281 x .750 x .062		
7419	SAE	5/16	.343 x .687 x .062		
7421	COM'L No.20S	5/16	.343 x .750 x .062		
7422	COM'L No.20L	5/16L	.343 x .875 x .062		

**Silicon Bronze (cont.)**

7428	COM'L				
	No 24S	3/8	.391 x	.875 x	.062
7429	SAE	3/8	.406 x	.812 x	.062
7436	COM'L	7/16	.500 x	1.125x	.062
7443	MISC	1/2	.531 x	1.00 x	.062
7449	SAE	1/2	.531 x	1.062x	.080
7444	COM'L	1/2	.562 x	1.250x	.093
7454	COM'L	5/8	.687 x	1.500x	.093
7455	COM'L	3/4	.812 x	1.875x	.102

**Brass  
Miscellaneous**

ASTRON		NOMINAL			
ITEM			ID x	OD x	THK
CODE	SCREW	BOLT			
7933	MISC No. 4		.125 x	.250 x	.020
7972	SAE No. 4		.130 x	.312 x	.032
8086	TYBN No. 6		.156 x	.312 x	.035
8095	SAE No. 6		.156 x	.375 x	.049
8182	TYBN No. 8		.188 x	.375 x	.049
8197	SAE No. 8		.188 x	.438 x	.049
8284	MISC No. 10		.203 x	.375 x	.032
8293	TYBN No. 10		.203 x	.406 x	.040
8302	MISC No. 10		.203 x	.437 x	.062
8311	TYBN No. 10		.203 x	.562 x	.040
8342	SAE No. 10		.219 x	.438 x	.049
8346	M.S. No. 12		.219 x	.500 x	.049
8428	MISC No. 12		.250 x	.625 x	.032
8529	MISC	1/4	.256 x	.500 x	.032
8530	MISC	1/4	.265 x	.500 x	.040
8532	MISC	1/4	.265 x	.500 x	.062
8574	MISC	1/4	.281 x	.500 x	.062
8587	SAE	1/4	.281 x	.625 x	.065
8625	MISC	1/4	.312 x	.750 x	.062
8687	SAE	5/16	.344 x	.688 x	.065
8769	MISC	3/8	.390 x	.750 x	.062
8811	MISC	3/8	.406 x	.750 x	.062
8818	SAE	3/8	.406 x	.812 x	.065

**Brass  
Miscellaneous (cont.)**

8823	MISC	3/8	.406 x 1.00 x .062
8892	MISC	1/2	.531 x 1.000x .062
8894	SAE	1/2	.531 x 1.062x .095

**Nickel-Copper  
Alloy 400**

ASTRON			NOMINAL		
ITEM			ID x	OD x	THK
CODE	SCREW	BOLT			
9257	COM'L	1/4	.265 x	.687 x	.050
9251	MISC	1/4	.281 x	.625 x	.050
9252	COM'L	5/16	.337 x	.875 x	.062
9260	COM'L	3/8	.391 x	1.000x	.062
9273	MISC	3/8	.406 x	.875 x	.062
9268	COM'L	1/2	.531 x	1.250x	.078
9274	COM'L	5/8	.687 x	1.500x	.078

**18-8 Stainless Steel**

ASTRON			NOMINAL		
ITEM			ID x	OD x	THK
CODE	SCREW	BOLT			
6487	COM'L	1/4L	.265 x	.687 x	.050
6565	SAE	1/4	.281 x	.625 x	.062
6679	SAE	5/16	.343 x	.687 x	.062
6682	COM'L	5/16S	.343 x	.750 x	.050
6678	COM'L	5/16L	.343 x	.875 x	.062
6780	COM'L	3/8S	.390 x	.875 x	.062
6790	COM'L	3/8L	.390 x	1 x	.062
6831	SAE	3/8	.406 x	.812 x	.062
6896	COM'L	7/16	.500 x	1.125x	.062
6925	SAE	1/2	.531 x	1.062x	.080
6942	COM'L	1/2	.562 x	1.250x	.078
6981	SAE	5/8	.656 x	1.312x	.080
6985	COM'L	5/8	.687 x	1.500x	.078

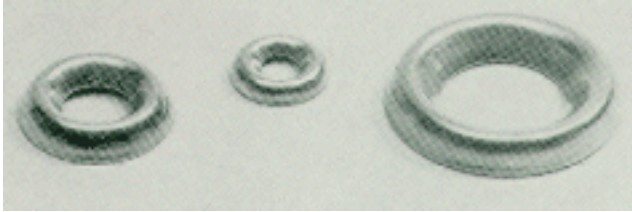
**Copper  
Miscellaneous**

ASTRON		NOMINAL			
ITEM			ID x	OD x	THK
CODE	SCREW	BOLT			
7484	No. 10		.203 x	.500 x	.040
7496	COM'L	1/4L	.260 x	.687 x	.050
7499		1/4	.265 x	.438 x	.032
7504	SAE	1/4	.281 x	.625 x	.062
7517		5/16	.328 x	.500 x	.032
7516		5/16	.328 x	.500 x	.062
7521	SAE	5/16	.343 x	.687 x	.062
7522	COM'L	5/16L	.343 x	.875 x	.062
7527		3/8	.391 x	.562 x	.032
7535		3/8	.391 x	.750 x	.062
7536	COM'L	3/8L	.391 x	1.000x	.081
7538		3/8	.406 x	.625 x	.062
7542	SAE	3/8	.406 x	.812 x	.062
7544		3/8	.437 x	.812 x	.062
7546		7/16	.453 x	.687 x	.032
7548		7/16	.468 x	.625 x	.032
7550		7/16	.500 x	.812 x	.062
7438	COM'L	7/16	.500 x	1.125x	.081
7562		1/2	.515 x	.703 x	.032
7567		1/2	.515 x	.812 x	.032
7566		1/2	.515 x	.875 x	.062
7568		1/2	.531 x	.812 x	.062
7572		1/2	.562 x	.687 x	.032
7580		1/2	.562 x	.812 x	.032
7575	COM'L	1/2 L	.562 x	1.375x	.080
7588	COM'L	5/8	.687 x	1.750x	.102
7602		15/16	1 x	1.250x	.062

**Countersunk and Terminal Cup Washers**

- Hollow
- Flange
- Flush
- Terminal Cup

**Hollow Countersunk Finishing Washers**



Hollow Countersunk "finishing" washers are decorative and reduce the risk of screws damaging the surface material.

Screw Size	Std. Package	Steel		Brass		18-8
		Plain	Nickel	Plain	Nickel	Stainless Steel
#4	35,000			9045	9046	9128
#6	30,000	5543	5544	9049	9050	9129
#8	20,000	5546	5547	9052	9053	9133
#10	15,000	5550	5551	9056	9057	9137
#12	10,000	5554	5555	9059	9060	9142
1/4"	8,000	5556	5557	9061	9062	9145
5/16"	5,000	5559	5560	9066	9067	9147
3/8"	2,000			9063	9064	

**Flange Type Countersunk Washers**



Flange Type Countersunk Washers feature a flanged bottom to further protect softer surface materials.

Screw Size	Std. Package	Brass		18-8	Aluminum
		Plain	Nickel	Stainless Steel	
#6	30,000	9173	9174	9149	

#8	20,000	9175	9177		9150		
#10	12,000	9179	9180		9154		

**Flush Type Finishing Washers**



Flush Type Countersunk Washers are used with wood screws where the flat head of the screw is to be flush with the surface material.

Screw Size	Std. Package	Brass		18-8		
		Plain	Nickel	Stainless	Steel	Steel
#5	25,000	9071	9083			
#6	80,000	9072	9073			9087
#8	85,000	9074	9075			
#10	50,000	9076	9077		9124	9090
#12	25,000	9078	9079			

**Terminal Cup Brass Washer**



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Terminal Cup "grounding" Washers help assemblers make firm electrical connections quickly.

Screw Sz & Name	Item Code	Astron Std Package	Dimensions				Approx. Inside cup CUT -
			ID x	OD x	THK x	HGT x	
# 8-P	9037	40,000	.172 x	.440 x	.020 x	.072 x	.255 - .375
#10-H	9039	25,000	.200 x	.500 x	.025 x	.093 x	.338 - .410
#10-N	9040	15,000	.210 x	.540 x	.032 x	.146 x	.176 - .440
#14-B	9043	15,000	.255 x	.570 x	.032 x	.100 x	.395 - .475