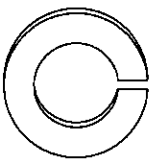

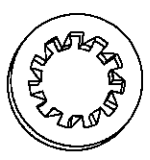

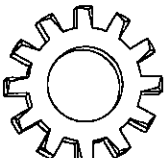

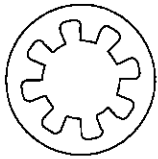

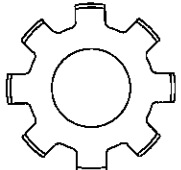

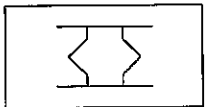
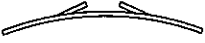
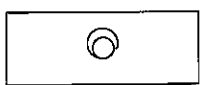





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	5857	411
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 	2715	413
 	2713	414
 	2720	415
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### MATERIAL TYPE

### PAGE NO.

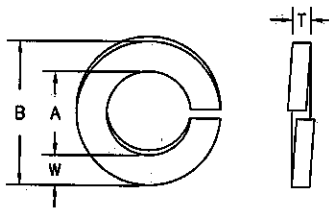
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- Solder Lugs
- Spring Clips
- Spring Washers
- Shoulder Washers
- Stand Off Spacers
- Flat Round Washers – Metallic
- Flat Round Washers – Non-Metallic
- O-Rings
- Retaining Rings
- Lockwashers, Retention Washers & Push-on Nuts**
- Clamps & Brackets
- Expansion Plugs
- Ground Straps, Bus Bars & Term. Blocks
- Tab & Notch Washers
- Misc. Washers & Tags
- Solid State Insulators
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# HELICAL SPRING LOCKWASHERS SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



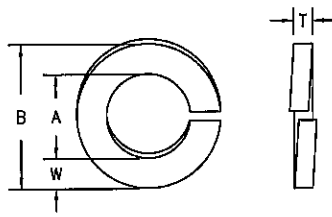
**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	SCREW SIZE	A		B MAX.	W MIN.	T	
		MIN.	MAX.			MIN.	MAX.
5850-9	2	.088	.094	.172	.035	.020	.026
5850-11	4	.114	.120	.209	.040	.025	.031
5850-13	6	.141	.148	.250	.047	.031	.037
5850-15	8	.167	.174	.293	.055	.040	.046
5850-17	10	.193	.200	.334	.062	.047	.053
5850-19	1/4	.252	.260	.487	.109	.062	.072
5850-20	5/16	.314	.322	.583	.125	.078	.088
5850-21	3/8	.377	.385	.680	.141	.094	.104
5850-22	7/16	.440	.450	.776	.156	.109	.119
5850-23	1/2	.502	.512	.869	.171	.125	.135
5850-24	9/16	.564	.574	.965	.188	.141	.151
5850-25	5/8	.628	.640	1.072	.203	.156	.166
5850-26	3/4	.753	.765	1.264	.234	.188	.198
5850-27	7/8	.878	.890	1.455	.266	.219	.239
5850-28	1	1.003	1.015	1.647	.297	.250	.270

# HELICAL SPRING LOCKWASHERS

## STAINLESS STEEL (316)

Custom Sizes Available . . . See Last Page of This Section



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	SCREW SIZE	A		B MAX.	W MIN.	T	
		MIN.	MAX.			MIN.	MAX.
5851-1	0	.062	.071	.123	.022	.022 NOMINAL	
5851-2	1	.075	.084	.162	.035	.022 NOMINAL	
5851-3	2	.088	.094	.172	.035	.020	.026
5851-5	4	.114	.120	.209	.040	.025	.031
5851-7	6	.141	.148	.250	.047	.031	.037
5851-9	8	.167	.174	.293	.055	.040	.046
5851-11	10	.193	.200	.334	.062	.047	.053
5851-13	1/4	.252	.260	.487	.109	.062	.072
5851-15	5/16	.314	.322	.583	.125	.078	.088
5851-17	3/8	.377	.385	.680	.141	.094	.104
5851-19	7/16	.440	.450	.776	.156	.109	.119
5851-21	1/2	.502	.512	.869	.171	.125	.135
5851-23	9/16	.564	.574	.965	.188	.141	.151
5851-25	5/8	.628	.640	1.072	.203	.156	.166
5851-27	3/4	.753	.765	1.264	.234	.188	.198
5851-29	7/8	.878	.890	1.455	.266	.219	.239
5851-31	1	1.003	1.015	1.647	.297	.250	.270

Solder Lugs

Spring Clips

Spring Washers

Shoulder Washers

Stand Off Spacers

Flat Round Washers - Metallic

Flat Round Washers - Non-Metallic

O-Rings

Retaining Rings

Lockwashers, Retention Washers & Push-on Nuts

Clamps & Brackets

Expansion Plugs

Ground Straps, Bus Bars & Term. Blocks

Tab & Notch Washers

Misc. Washers & Tags

Solid State Insulators

Military Standards

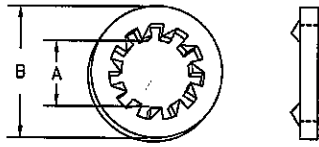
Custom Parts

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# INTERNAL TOOTH LOCKWASHERS SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

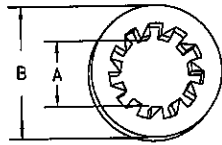
PART NUMBER	SCREW SIZE	A		B		THICKNESS
		MIN.	MAX.	MIN.	MAX.	
<b>5855-34</b>	<b>2</b>	<b>.089</b>	<b>.095</b>	<b>.175</b>	<b>.200</b>	<b>.010</b>
5855-1	2	.089	.095	.175	.185	.007
5855-2	2	.089	.095	.175	.185	.012
<b>5855-4</b>	<b>3</b>	<b>.102</b>	<b>.109</b>	<b>.215</b>	<b>.232</b>	<b>.015</b>
5855-35	4	.113	.123	.245	.255	.016
5855-3	4	.116	.123	.215	.225	.015
<b>5855-6</b>	<b>4</b>	<b>.115</b>	<b>.123</b>	<b>.245</b>	<b>.270</b>	<b>.015</b>
5855-36	5	.129	.136	.235	.245	.016
<b>5855-8</b>	<b>5</b>	<b>.129</b>	<b>.136</b>	<b>.255</b>	<b>.280</b>	<b>.018</b>
5855-5	6	.142	.150	.245	.255	.018
<b>5855-10</b>	<b>6</b>	<b>.141</b>	<b>.150</b>	<b>.275</b>	<b>.295</b>	<b>.018</b>
5855-37	8	.166	.174	.335	.346	.018
5855-7	8	.168	.176	.300	.311	.020
<b>5855-12</b>	<b>8</b>	<b>.168</b>	<b>.176</b>	<b>.325</b>	<b>.340</b>	<b>.020</b>
5855-9	8	.168	.176	.325	.336	.025
5855-38	10	.195	.204	.395	.406	.021
5855-11	10	.195	.204	.300	.311	.018
<b>5855-14</b>	<b>10</b>	<b>.195</b>	<b>.204</b>	<b>.365</b>	<b>.381</b>	<b>.022</b>
5855-39	12	.220	.230	.395	.406	.021
<b>5855-16</b>	<b>12</b>	<b>.221</b>	<b>.231</b>	<b>.394</b>	<b>.410</b>	<b>.022</b>
5855-40	1/4	.252	.262	.395	.406	.021
5855-13	1/4	.256	.267	.396	.408	.012
5855-15	1/4	.256	.267	.396	.408	.018
5855-17	1/4	.256	.267	.396	.408	.025
<b>5855-18</b>	<b>1/4</b>	<b>.256</b>	<b>.267</b>	<b>.460</b>	<b>.478</b>	<b>.025</b>
5855-19	1/4	.256	.267	.555	.565	.025
5855-20	5/16	.314	.322	.425	.435	.015
5855-21	5/16	.314	.322	.425	.435	.022
<b>5855-22</b>	<b>5/16</b>	<b>.320</b>	<b>.332</b>	<b>.594</b>	<b>.610</b>	<b>.030</b>
5855-23	3/8	.377	.391	.493	.507	.022
5855-24	3/8	.380	.387	.557	.567	.018
5855-25	3/8	.384	.398	.678	.692	.022
5855-41	3/8	.382	.396	.680	.695	.035
<b>5855-26</b>	<b>3/8</b>	<b>.384</b>	<b>.398</b>	<b>.670</b>	<b>.692</b>	<b>.035</b>
5855-27	3/8	.405	.415	.678	.692	.022
5855-28	3/8	.410	.425	.595	.615	.022
5855-29	7/16	.439	.442	.533	.547	.022
5855-30	7/16	.440	.450	.678	.692	.035
5855-31	7/16	.472	.480	.593	.607	.018
5855-32	1/2	.505	.512	.620	.630	.022
<b>5855-33</b>	<b>1/2</b>	<b>.512</b>	<b>.530</b>	<b>.867</b>	<b>.900</b>	<b>.040</b>

All **BOLD** Part Numbers Represent ANSI/ASME (Regular Series) Standard Screw Sizes & Tolerances  
Add -Z to end of part number to specify commercial zinc plating for corrosion resistance

# “METRIC” INTERNAL TOOTH LOCKWASHERS

## SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	METRIC SCREW SIZE	A		B		METRIC THICKNESS
		METRIC MIN.	METRIC MAX.	METRIC MIN.	METRIC MAX.	
5854-3	3	3.2 (.126)	3.38 (.133)	5.82 (.229)	6 (.236)	.40 (.016)
5854-4	4	4.3 (.169)	4.48 (.176)	7.78 (.306)	8 (.315)	.50 (.020)
5854-5	5	5.1 (.201)	5.28 (.208)	8.78 (.346)	9 (.354)	.50 (.020)
5854-6	6	6.4 (.252)	6.62 (.261)	10.78 (.422)	11 (.433)	.70 (.028)
5854-8	8	8.2 (.323)	8.42 (.331)	13.73 (.541)	14 (.551)	.80 (.031)
5854-10	10	10.5 (.413)	10.77 (.424)	17.73 (.698)	18 (.709)	.90 (.035)
5854-12	12	12.5 (.492)	12.77 (.503)	20.17 (.794)	20.5 (.807)	1.00 (.039)
5854-14	14	14.5 (.571)	14.77 (.581)	23.66 (.932)	24 (.945)	1.00 (.039)
5854-16	16	16.5 (.650)	16.77 (.660)	25.67 (1.011)	26 (1.024)	1.20 (.047)

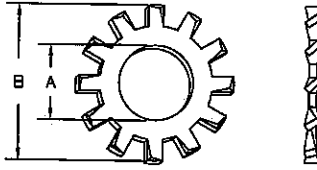
Dimensions in ( ) represent Decimal inch measurements / Conversion Method Inches = millimeters  
25.4

Add -Z to end of part number to specify commercial zinc plating for corrosion resistance

- Solder Lugs
- Spring Clips
- Spring Washers
- Shoulder Washers
- Stand Off Spacers
- Flat Round Washers - Metallic
- Flat Round Washers - Non-Metallic
- O-Rings
- Retaining Rings
- Lockwashers, Retention Washers & Push-on Nuts
- Clamps & Brackets
- Expansion Plugs
- Ground Straps, Bus Bars & Term. Blocks
- Tab & Notch Washers
- Misc. Washers & Tags
- Solid State Insulators
- Military Standards
- Custom Parts
- Engineering Tables
- Num. & Alpha. Index of Parts

# EXTERNAL TOOTH LOCKWASHERS SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



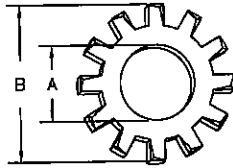
**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	SCREW SIZE	A		B		THICKNESS
		MIN.	MAX.	MIN.	MAX.	
5856-1	3	.102	.109	.220	.230	.012
<b>5856-19</b>	<b>3</b>	<b>.102</b>	<b>.109</b>	<b>.220</b>	<b>.235</b>	<b>.012</b>
5856-2	4	.116	.123	.245	.255	.015
<b>5856-20</b>	<b>4</b>	<b>.115</b>	<b>.123</b>	<b>.245</b>	<b>.260</b>	<b>.015</b>
5856-3	5	.129	.136	.270	.280	.015
<b>5856-21</b>	<b>5</b>	<b>.129</b>	<b>.136</b>	<b>.270</b>	<b>.285</b>	<b>.015</b>
<b>5856-22</b>	<b>6</b>	<b>.141</b>	<b>.150</b>	<b>.305</b>	<b>.320</b>	<b>.018</b>
5856-4	6	.142	.150	.306	.317	.018
5856-5	6	.142	.150	.370	.381	.022
5856-6	8	.168	.176	.370	.381	.020
5856-7	8	.168	.176	.370	.381	.025
5856-8	8	.168	.176	.494	.506	.020
<b>5856-23</b>	<b>8</b>	<b>.168</b>	<b>.176</b>	<b>.365</b>	<b>.381</b>	<b>.020</b>
5856-9	10	.195	.204	.395	.406	.022
5856-10	10	.195	.204	.395	.406	.030
5856-11	10	.195	.204	.494	.506	.025
<b>5856-24</b>	<b>10</b>	<b>.195</b>	<b>.204</b>	<b>.395</b>	<b>.410</b>	<b>.022</b>
5856-12	10	.202	.210	.375	.385	.022
5856-13	12	.221	.231	.462	.474	.025
<b>5856-25</b>	<b>12</b>	<b>.221</b>	<b>.231</b>	<b>.460</b>	<b>.475</b>	<b>.025</b>
5856-14	1/4	.256	.267	.494	.506	.025
<b>5856-26</b>	<b>1/4</b>	<b>.256</b>	<b>.267</b>	<b>.494</b>	<b>.510</b>	<b>.025</b>
5856-15	5/16	.320	.326	.588	.601	.030
<b>5856-27</b>	<b>5/16</b>	<b>.320</b>	<b>.332</b>	<b>.588</b>	<b>.610</b>	<b>.030</b>
<b>5856-28</b>	<b>3/8</b>	<b>.384</b>	<b>.398</b>	<b>.670</b>	<b>.694</b>	<b>.035</b>
5856-16	3/8	.384	.398	.680	.695	.035
5856-17	3/8	.384	.398	.882	.898	.040
5856-18	1/2	.512	.529	.882	.898	.040
<b>5856-29</b>	<b>1/2</b>	<b>.513</b>	<b>.530</b>	<b>.880</b>	<b>.900</b>	<b>.040</b>

All **BOLD** Part Numbers Represent ANSI/ASME (Regular Series) Standard Screw Sizes & Tolerances  
Add -Z to end of part number to specify commercial zinc plating for corrosion resistance

# “METRIC” EXTERNAL TOOTH LOCKWASHERS SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	METRIC SCREW SIZE	A		B		METRIC THICKNESS
		METRIC MIN.	METRIC MAX.	METRIC MIN.	METRIC MAX.	
5857-3	3	3.2 (.126)	3.38 (.133)	5.82 (.229)	6 (.236)	.40 (.016)
5857-4	4	4.3 (.169)	4.48 (.176)	7.78 (.306)	8 (.315)	.50 (.020)
5857-5	5	5.1 (.201)	5.28 (.208)	8.78 (.346)	9 (.354)	.50 (.020)
5857-6	6	6.4 (.252)	6.62 (.261)	10.78 (.422)	11 (.433)	.70 (.028)
5857-8	8	8.2 (.323)	8.42 (.331)	13.73 (.541)	14 (.551)	.80 (.031)
5857-10	10	10.5 (.413)	10.77 (.424)	17.73 (.698)	18 (.709)	.90 (.035)
5857-12	12	12.5 (.492)	12.77 (.503)	20.17 (.794)	20.5 (.807)	1.00 (.039)
5857-14	14	14.5 (.571)	14.77 (.581)	23.66 (.932)	24 (.945)	1.00 (.039)
5857-16	16	16.5 (.650)	16.77 (.660)	25.67 (1.011)	26 (1.024)	1.20 (.047)

Dimensions in ( ) represent Decimal inch measurements / Conversion Method Inches = millimeters  
25.4

Add -Z to end of part number to specify commercial zinc plating for corrosion resistance

Solder Lugs

Spring Clips

Spring Washers

Shoulder Washers

Stand Off Spacers

Flat Round Washers - Metallic

Flat Round Washers - Non-Metallic

O-Rings

Retaining Rings

Lockwashers, Retention Washers & Push-on Nuts

Clamps & Brackets

Expansion Plugs

Ground Straps, Bus Bars & Term. Blocks

Tab & Notch Washers

Misc. Washers & Tags

Solid State Insulators

Military Standards

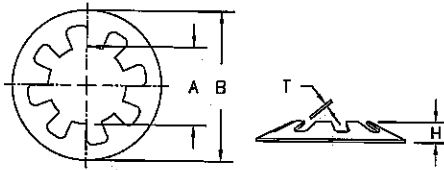
Custom Parts

Engineering Tables

Num. & Alpha. Index of Parts

# SHAFT RETENTION WASHER SPRING STEEL, ZINC PLATED

Custom Sizes Available . . . See Last Page of This Section



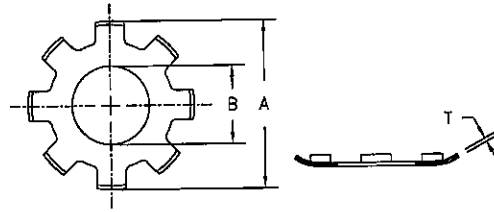
PART NUMBER	± .002 SHAFT SIZE	A ± .005	B ± .010	H ± .008	T	NO. OF TEETH
2714-1	.094	.088	.312	.043	.010	6
2714-2	.125	.118	.406	.059	.010	6
2714-3	.156	.148	.437	.056	.010	6
2714-4	.187	.178	.437	.050	.010	6
2714-14	.197	.184	.352	.000	.025	2
2714-15	.205	.194	.377	.000	.025	3
2714-5	.219	.209	.468	.053	.010	6
2714-16	.250	.232	.460	.060	.015	6
2714-6	.250	.239	.500	.053	.010	6
2714-17	.281	.270	.500	.065	.015	6
2714-18	.312	.298	.630	.065	.010	6
2714-7	.312	.300	.562	.054	.012	8
2714-19	.344	.330	.687	.065	.020	8
2714-8	.375	.362	.687	.067	.012	8
2714-20	.406	.392	.687	.065	.015	8
2714-21	.437	.427	.781	.065	.015	8
2714-22	.468	.456	.812	.065	.015	8
2714-9	.500	.486	.812	.068	.015	8
2714-10	.531	.522	1.000	.060	.020	8
2714-11	.562	.550	1.000	.060	.015	8
2714-12	.625	.610	1.000	.060	.020	8
2714-13	.688	.678	1.245	.055	.015	8



# EXTERNAL RETENTION WASHER

## SPRING STEEL, ZINC PLATED

Custom Sizes Available . . . See Last Page of This Section



PART NUMBER	± .002 DESIGN HOLE SIZE	A ± .005	B ± .010	T	NO. OF TABS
2715-5	.250	.258	.062	.010	4
2715-1	.250	.258	.062	.010	6
2715-6	.300	.313	.159	.010	6
2715-7	.312	.322	.125	.010	6
2715-2	.375	.385	.125	.012	6
2715-8	.437	.448	.237	.012	6
2715-3	.500	.512	.250	.012	8
2715-9	.562	.574	.275	.012	8
2715-10	.625	.639	.312	.012	8
2715-11	.688	.704	.390	.015	8
2715-4	.750	.765	.437	.015	8

Solder Lugs

Spring Clips

Spring Washers

Shoulder Washers

Stand Off Spacers

Flat Round Washers - Metallic

Flat Round Washers - Non-Metallic

O-Rings

Retaining Rings

Lockwashers, Retention Washers & Push-on Nuts

Clamps & Brackets

Expansion Plugs

Ground Straps, Bus Bars & Term. Blocks

Tab & Notch Washers

Misc. Washers & Tags

Solid State Insulators

Military Standards

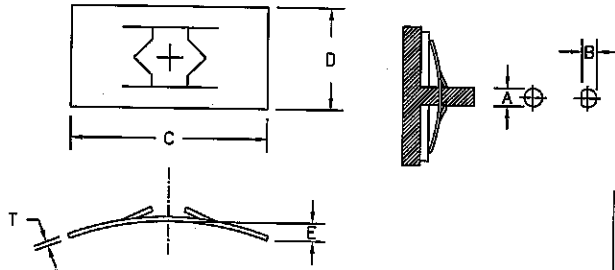
Custom Parts

Engineering Tables

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# PUSH-ON NUT SPRING STEEL

*Custom Sizes Available . . . See Last Page of This Section*



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	STUD SIZE		C ± .010	D ± .010	E ± .015	T
	A NOM.	B ± .005				
2713-14	.093	.074	.437	.250	.025	.012
2713-15	.093	.074	.437	.250	.025	.015
2713-1	.125	.100	.580	.310	.025	.012
2713-2	.125	.100	.580	.310	.025	.015
2713-3	.125	.100	.580	.310	.025	.018
2713-16	.156	.125	.562	.375	.025	.015
2713-4	.187	.150	.620	.380	.045	.012
2713-5	.187	.150	.620	.380	.045	.018
2713-6	.187	.150	.620	.380	.045	.020
2713-17	.226	.175	.625	.437	.035	.020
2713-7	.250	.200	.620	.440	.035	.012
2713-8	.250	.200	.620	.440	.035	.018
2713-9	.250	.200	.620	.440	.035	.020
2713-18	.271	.215	.625	.500	.045	.020
2713-10	.312	.250	.690	.500	.045	.015
2713-11	.312	.250	.690	.500	.045	.020
2713-12	.375	.300	.750	.560	.045	.015
2713-13	.375	.300	.750	.560	.045	.020

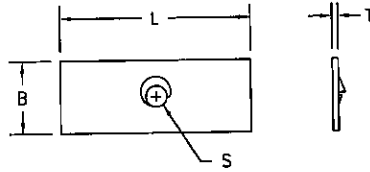
**ROUND STUDS ARE FOR PERMANENT ASSEMBLIES.**

**"D" SHAPED STUDS ARE USED WHEN NUTS MAY HAVE TO BE REMOVED.**

# FORMED NUT

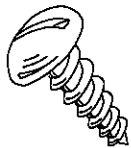
## STEEL (FOR SHEET METAL SCREWS)

*Custom Sizes Available . . . See Last Page of This Section*



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

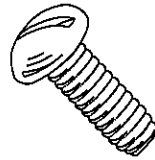
PART NUMBER	SCREW SIZE S	L ± .010	B ± .010	T	SCREW TYPE
2720-1	6-18	.687	.437	.024	A
2720-2	8-15	.687	.437	.030	
2720-3	10-12	.750	.500	.036	
2720-4	12-11	.875	.562	.048	
2720-5	14-10	1.000	.625	.048	
2720-6	20-9	1.125	.750	.060	B and AB
2720-11	6-20	.687	.437	.024	
2720-12	8-18	.687	.437	.024	
2720-13	10-16	.750	.500	.024	
2720-14	12-14	.875	.562	.036	
2720-15	1/4-14	1.000	.625	.036	C
2720-16	5/16-12	1.125	.750	.036	
2720-21	6-32	.687	.437	.018	
2720-22	8-32	.750	.500	.018	
2720-23	10-24	.750	.500	.018	
2720-24	10-32	.750	.500	.018	
2720-25	1/4-20	1.000	.625	.024	
2720-26	5/16-18	1.125	.750	.024	



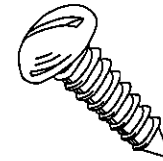
TYPE A



TYPE B



TYPE C



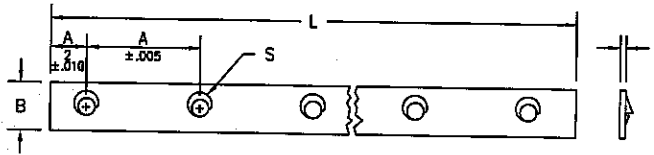
TYPE AB

- Type A** For use in joining metals, from .020 inches to .060 inches thick. The screw has a gimlet point primarily for use in sheet metal, resin impregnated plywood, etc.
- Type B** With thread pitches somewhat finer than Type "A", includes a blunt point for use in sheet metal, non-ferrous castings, plastics, resin plywood, etc.
- Type C** Thread forming or machine screw has machine screw diameter pitch combinations with threads approximating American National Form. Screw has a blunt tapered point. Used where a machine screw thread is preferable to spaced thread types of screws.
- Type AB** This screw has a gimlet point as used on the "A" type and pitches match those of the "B" type. Increasingly popular for many applications.

- Solder Lugs
- Spring Clips
- Spring Washers
- Shoulder Washers
- Stand Off Spacers
- Flat Round Washers – Metallic
- Flat Round Washers – Non-Metallic
- O-Rings
- Retaining Rings
- Lockwashers, Retention Washers & Push-on Nuts
- Clamps & Brackets
- Expansion Plugs
- Ground Straps, Bus Bars & Term. Blocks
- Tab & Notch Washers
- Misc. Washers & Tags
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# FORMED NUT STRIP STEEL (FOR SHEET METAL SCREWS)

*Custom Sizes Available ... See Last Page of This Section*

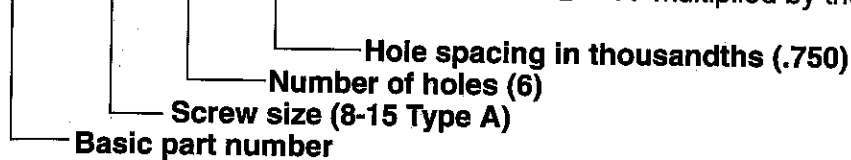


**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	SCREW SIZE S	T	B ± .010	SCREW TYPE
2705-1-(*)-(**)	6-18	.024	.437	A
2705-2-(*)-(**)	8-15	.030	.437	
2705-3-(*)-(**)	10-12	.036	.500	
2705-4-(*)-(**)	12-11	.048	.562	
2705-5-(*)-(**)	14-10	.048	.625	
2705-6-(*)-(**)	20-9	.060	.750	B and AB
2705-11-(*)-(**)	6-20	.024	.437	
2705-12-(*)-(**)	8-18	.024	.437	
2705-13-(*)-(**)	10-16	.024	.500	
2705-14-(*)-(**)	12-14	.036	.562	
2705-15-(*)-(**)	1/4-14	.036	.625	C
2705-16-(*)-(**)	5/16-12	.036	.750	
2705-21-(*)-(**)	6-32	.018	.437	
2705-22-(*)-(**)	8-32	.018	.500	
2705-23-(*)-(**)	10-24	.018	.500	
2705-24-(*)-(**)	10-32	.018	.500	
2705-25-(*)-(**)	1/4-20	.024	.625	
2705-26-(*)-(**)	5/16-18	.024	.750	

**Example of Part Number:**

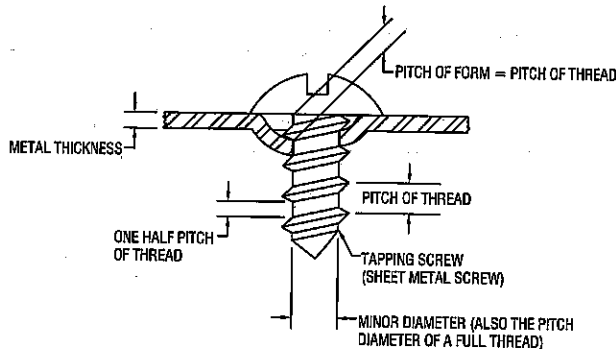
**2702 - 2 - 6 - 750**



\* = No. of holes  
 \*\* = Hole spacing (A) in thousandths of an inch  
 L = "A" multiplied by the number of holes

### ADVANTAGES OF FORMED-HOLE FASTENING

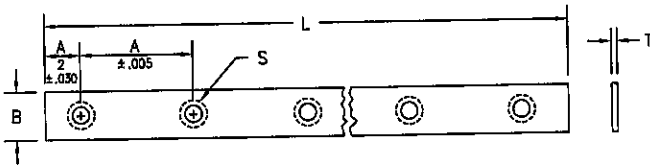
The sheet metal unit becomes its own fastening element, eliminating the use of nuts and washers. This elimination of extra parts substantially cuts assembly labor costs. The thread formed holes provide a full 360 degree grip into the root of the sheet metal screw thread and eliminates the problems of bad entry and stripped threads.



# TAPPED NUT STRIP

## STEEL (FOR MACHINE SCREWS)

Custom Sizes Available ... See Last Page of This Section



**NOTE:** Unless stated, all catalog parts are supplied without finish. See page 545 for specifying finishes.

PART NUMBER	SCREW SIZE S	T	B ± .010
2706-4-(*)-(**)	4-40	.048	.312
2706-6-(*)-(**)	6-32	.060	.375
2706-7-(*)-(**)	8-32	.060	.375
2706-8-(*)-(**)	10-24	.075	.437
2706-9-(*)-(**)	10-32	.060	.375

Example of Part Number:

**2706 - 7 - 6 - 937**

————— Hole spacing in thousandths (.937)  
 ————— Number of holes (6)  
 ————— Screw size (8-32)  
 ————— Basic part number

\* = No. of holes  
 \*\* = Hole spacing in thousandths of an inch  
 L = "A" multiplied by the number of holes

### ADVANTAGES OF TAPPED-HOLE FASTENING

The sheet metal unit becomes its own fastening element, eliminating the use of nuts and washers. This elimination of extra parts substantially cuts assembly labor costs.

Solder Lugs

Spring Clips

Spring Washers

Shoulder Washers

Stand Off Spacers

Flat Round Washers - Metallic

Flat Round Washers - Non-Metallic

O-Rings

Retaining Rings

Lockwashers, Retention Washers & Push-on Nuts

Clamps & Brackets

Expansion Plugs

Ground Straps, Bus Bars & Term. Blocks

Tab & Notch Washers

Misc. Washers & Tags

Solid State Insulators

Military Standards

Custom Parts

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## HOW TO REQUEST A FAX QUOTE:

# CUSTOM LOCKWASHERS, RETENTION WASHERS & PUSH-ON NUTS

**If your application requires a custom lockwasher, retention washer, push-on or threaded nut with dimensions not listed in this catalog, simply photocopy the adjoining page, fill in all necessary dimensions, and fax it to us at 208-734-7222. It's that simple!**

Seastrom Manufacturing can manufacture virtually any custom lockwasher, retention washer, push-on or threaded nut you require.

Locate the part number configuration to best suit your application. (See the illustrated table of contents in the front of this section.) Fill in the configuration part number on the photocopy of the Fax Quote page, as well as all necessary dimensions.\*

### EXAMPLE

PART CONFIGURATION: <u>2714</u>			
A: <u>.239</u>	D: _____	T: <u>.010</u>	Shaft Size: <u>.250</u> Design _____
B: <u>.500</u>	E: _____	S: _____	Hole Size: _____
C: _____	W: _____	L: _____	Screw Type: _____
			No. of Tabs: _____
			No. of Teeth: <u>6</u>

\*If the custom configuration you require does not match the configurations in the front of this section, please refer to the Custom Parts section for a fax quote cover sheet and a blank print to sketch your own design.

**If we can answer any questions concerning your custom lockwasher, retention washer or push-on nut needs, please feel free to call us today at 1-800-634-2356.**

# FAX QUOTE

## CUSTOM LOCKWASHERS, RETENTION WASHERS & PUSH-ON NUTS

**PLEASE FAX TO:**  
**SEASTROM MANUFACTURING COMPANY, INC. 208•734•7222**  
**ATTENTION: Inside Sales**

DATE \_\_\_\_\_

<b>PART CONFIGURATION:</b> _____			
A: _____	D: _____	T: _____	Shaft Size: _____
			Design _____
			Hole Size: _____
B: _____	E: _____	S: _____	Screw Type: _____
			No. of Tabs: _____
C: _____	W: _____	L: _____	No. of Teeth: _____

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS WILL BE TO CATALOG TOLERANCES.\*

Material: \_\_\_\_\_ Deburring Required?  Yes  No

Plating: \_\_\_\_\_

Other Requirements: \_\_\_\_\_

From: \_\_\_\_\_ Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

DO NOT TEAR OUT ... PLEASE PHOTOCOPY

**\*See Pages 551  
and 552 for  
commercial  
thickness  
tolerances.**

Please Quote the following:	<i>For Seastrom Use</i>	
<b>QUANTITY</b>	<b>PRICE</b>	<b>DELIVERY</b>
<b>Estimated Yearly Usage:</b>		