

TABLE I - DIMENSIONS

THREAD SIZE (REF)	SIZE CODE /a/	T THICKNESS	ØA +.010 -.000	ØD +.015 -.005
NO.0 (.0600)	0	.016	.063	.099
NO.2 (.0860)	2	.016	.089	.149
NO.3 (.0990)	3L	.016	.102	.180
NO.3 (.0990)	3	.032	.102	.180
NO.4 (.1120)	4L	.016	.115	.209
NO.4 (.1120)	4	.032	.115	.209
NO.5 (.1250)	5L	.016	.128	.238
NO.5 (.1250)	5	.032	.128	.238
NO.6 (.1380)	6L	.016	.143	.267
NO.6 (.1380)	6	.032	.143	.267
NO.8 (.1640)	8L	.016	.169	.304
NO.8 (.1640)	8	.032	.169	.304
NO.10 (.1900)	10L	.032	.195	.354
NO.10 (.1900)	10	.063	.195	.354
1/4 (.2500)	416L	.032	.255	.468
1/4 (.2500)	416	.063	.255	.468

/a/ "L" CODING IN TABLE IDENTIFIES THE LIGHT SERIES OF WASHERS.

⑧ COMPLETELY REVISED



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THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION <b>8</b>
PROCUREMENT SPECIFICATION  NONE	TITLE  <b>WASHER, FLAT, REDUCED OUTSIDE DIAMETER</b>	CLASSIFICATION PART STANDARD  <b>NAS620</b> SHEET 1 OF 2

**MATERIAL:**

LOW CARBON STEEL SHEET OR STRIP IN ACCORDANCE WITH QQ-S-698, COLD ROLLED COMMERCIAL QUALITY, NO. 1 FULL HARD TEMPER OR NO. 2 HALF-HARD TEMPER, NO. 3 FINISH.

5052 ALUMINUM ALLOY SHEET IN ACCORDANCE WITH AMS-QQ-A-250/8 (UNS A95052), TEMPER H32 OR TEMPER H34.

COMMERCIAL BRASS SHEET OR STRIP IN ACCORDANCE WITH ASTM B36/B36M OR ASTM B121/B121M, HALF-HARD TEMPER.

CORROSION-RESISTANT STEEL SHEET OR STRIP IN ACCORDANCE WITH ASTM A240/A240M, ANY OF THE 300 SERIES, CONDITION A, FINISH 2D OR 2B (FOR SHEET), FINISH 2 (FOR STRIP).

WEAR/GALLING RESISTANT CRES BAR PER AMS5848 OR ASTM A276 (UNS S21800) OR WEAR/GALLING RESISTANT CRES SHEET PER ASTM A240/A240M (UNS S21800).

**FINISH:**

LOW CARBON STEEL – CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.

ALUMINUM ALLOY – NONE.

BRASS – CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2. CADMIUM PLATED BRASS WASHERS ARE TO BE DYED A LIGHT BLUE COLOR WHICH WILL NOT RUB OFF OR BE SMEARED BY CONTACT INCIDENTAL TO HANDLING AND SERVICE, AND SHALL NOT BE INJURIOUS TO THE MATERIAL.

CRESS – PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 6 OR TYPE 7, CLASS 1.  
– BLACK OXIDE COAT PER MIL-DTL-13924.

WEAR/GALLING RESISTANT CRES – PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 6 OR TYPE 7, CLASS 1.

**CODE:**

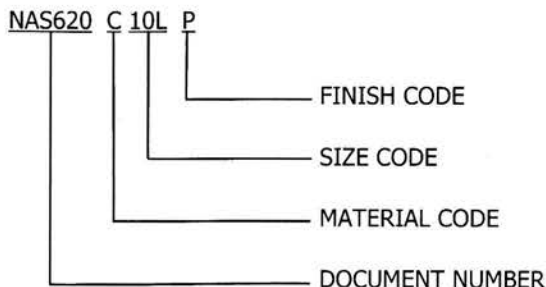
**MATERIAL**

- "-" INDICATES LOW CARBON STEEL.
- "A" INDICATES ALUMINUM ALLOY.
- "B" INDICATES BRASS.
- "C" INDICATES CORROSION RESISTANT STEEL.
- "N" INDICATES WEAR/GALLING RESISTANT CRES.

**FINISH**

- "P" INDICATES BLACK OXIDE COATED FOR CORROSION RESISTANT STEEL ONLY.

EXAMPLE OF PART NUMBER:



NAS620-10 = NO. 10 STEEL WASHER, CADMIUM PLATED, .063 INCH THICK.  
 NAS620A10L = NO. 10 ALUMINUM ALLOY WASHER, LIGHT SERIES, .032 INCH THICK.  
 NAS620B10 = NO. 10 BRASS WASHER, CADMIUM PLATED, DYED LIGHT BLUE, .063 INCH THICK.  
 NAS620C10 = NO. 10 CORROSION-RESISTANT STEEL WASHER, PASSIVATED, .063 INCH THICK.  
 NAS620C10P = NO. 10 CORROSION-RESISTANT STEEL WASHER, BLACK-OXIDE COATED, .063 INCH THICK.  
 NAS620N10 = NO. 10 WEAR/GALLING RESISTANT CRES WASHER, .063 INCH THICK.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) TOLERANCES:  
ALL WASHERS MUST BE FLAT WITHIN .007 INCH AND PARALLEL WITHIN .002 INCH.  
TOLERANCE ON THICKNESS "T" IS TO BE IN ACCORDANCE WITH THE SHEET TOLERANCE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATION.
- (3) REMOVE ALL BURRS AND SHARP EDGES BEFORE PLATING.
- (4) USE MS15795 WASHERS OR NAS1149 WASHERS WHENEVER PRACTICAL.
- (5) THESE WASHERS ARE PRIMARILY FOR USE TO MOUNT COMPONENTS IN AREAS OF BEND RADII AND OTHER INTERFERENCES.
- (6) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS SPECIFIED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.