



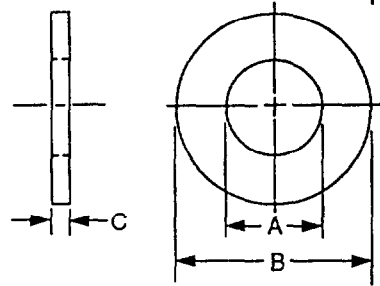
DESCRIPTION: (C4L100A1)

American National Standard metric plain washers
in narrow, regular and wide series. †

MATERIAL:

Low carbon steel.

Reference: ASME/ANSI
B18.22M



All dimensions in millimeters (mm).

NARROW SERIES

Nominal washer size	PART NUMBER	A Inside diameter		B Outside diameter		C Material thickness		Total Runout F.I.M. ††
		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
1.6	1	2.09	1.95	4.00	3.70	0.70	0.50	0.24
2	2	2.64	2.50	5.00	4.70	0.90	0.60	
2.5	3	3.14	3.00	6.00	5.70	0.90	0.60	
3	4	3.68	3.50	7.00	6.64	0.90	0.60	0.30
3.5	5	4.18	4.00	9.00	8.64	1.20	0.80	
4	6	4.88	4.70	10.00	9.64	1.20	0.80	
5	7	5.68	5.50	11.00	10.57	1.40	1.00	0.36
6	8	6.87	6.65	13.00	12.57	1.75	1.20	
8	10	9.12	8.90	18.80	18.37	2.30	1.60	
10	11	11.12	10.85	20.00	19.48	2.30	1.60	0.42
12	12	13.57	13.30	25.40	24.88	2.80	2.00	
14	13	15.52	15.25	28.00	27.48	2.80	2.00	
16	14	17.52	17.25	32.00	31.38	3.50	2.50	0.50
20	15	22.32	21.80	39.00	38.38	4.00	3.00	
24	16	26.12	25.60	44.00	43.38	4.60	3.50	
30	17	33.02	32.40	56.00	54.80	5.10	4.00	0.92
36	18	38.92	38.30	66.00	64.80	5.60	4.50	

FLATNESS REQUIREMENT: Washers shall be flat within 0.25 mm for sizes with outside diameters up to 25.0 mm and within 0.01 mm per mm of outside diameter for sizes with outside diameters greater than 25.0 mm.

FINISH: Other finishes available,
tabulated on L9991 – Finish suffix chart.

† PREFERRED SIZE

† Metric "Standards" cross-reference
chart tabulated on L9992.

†† F.I.M. – Full indicator movement

PT NO. SUFFIX	FINISH DESCRIPTION	GE FINISH REFERENCE
None	Unplated	-
B32	0.005 zinc & blue dye	F70B1A
B33	0.005 zinc, blue dye & chromate coating	F70B5A

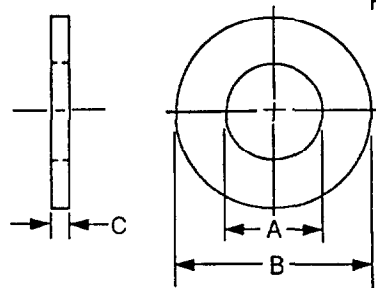
PART NUMBER EXAMPLE: L400P6B32 identifies a plain steel washer, narrow series intended for use with a M4 screw, zinc plated with blue dye.

This drawing and latest issue of the specification completely define the part.

SPECIFICATION	GENERAL ELECTRIC STANDARD	Drawing No.
C4L100	Washer Plain	L400
		Page 1 of 3

**DESCRIPTION: (C4L100A1)**American National Standard metric plain washers
in narrow, regular and wide series. ♣**MATERIAL:**

Low carbon steel.

Reference: ASME/ANSI
B18.22M

All dimensions in millimeters (mm).

REGULAR SERIES

Nominal washer size	PART NUMBER	A Inside diameter		B Outside diameter		C Material thickness		Total Runout
		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	F.I.M. ♣♣
1.6	20	2.09	1.95	5.00	4.70	0.70	0.50	0.24
2	21	2.64	2.50	6.00	5.70	0.90	0.60	
2.5	22	3.14	3.00	8.00	7.64	0.90	0.60	
3	23	3.68	3.50	10.00	9.64	1.20	0.80	0.30
3.5	24	4.18	4.00	10.00	9.64	1.40	1.00	
4	25	4.88	4.70	12.00	11.57	1.40	1.00	
5	26	5.68	5.50	15.00	14.57	1.75	1.20	0.36
6	27	6.87	6.65	18.80	18.37	1.75	1.20	
8	29	9.12	8.90	25.40	24.88	2.30	1.60	
10	30	11.12	10.85	28.00	27.48	2.80	2.00	0.42
12	31	13.57	13.30	34.00	33.38	3.50	2.50	
14	32	15.52	15.25	39.00	38.38	3.50	2.50	
16	33	17.52	17.25	44.00	43.38	4.00	3.00	0.50
20	34	22.32	21.80	50.00	49.38	4.60	3.50	
24	35	26.12	25.60	56.00	54.80	5.10	4.00	
30	36	33.02	32.40	72.00	70.80	5.60	4.50	0.92
36	37	38.92	38.30	90.00	88.60	6.40	5.00	

FLATNESS REQUIREMENT: Washers shall be flat within 0.25 mm for sizes with outside diameters up to 25.0 mm and within 0.01 mm per mm of outside diameter for sizes with outside diameters greater than 25.0 mm.**FINISH:** Other finishes available,
tabulated on L9991 – Finish suffix chart.♦ **PREFERRED SIZE**♣ Metric "Standards" cross-reference
chart tabulated on L9992.

♣♣ F.I.M. – Full indicator movement

PT NO. SUFFIX	FINISH DESCRIPTION	GE FINISH REFERENCE
None	Unplated	-
B32	0.005 zinc & blue dye	F70B1A
B33	0.005 zinc, blue dye & chromate coating	F70B5A

PART NUMBER EXAMPLE: L400P20B32 identifies a plain steel washer, regular series intended for use with a M1.6 screw, zinc plated with blue dye.

This drawing and latest issue of the specification completely define the part.

SPECIFICATION	GENERAL ELECTRIC STANDARD	Drawing No.
C4L100	Washer Plain	L400
		Page 2 of 3



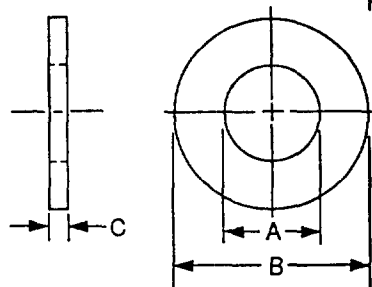
DESCRIPTION: (C4L100A1)

American National Standard metric plain washers
in narrow, regular and wide series. ♦

MATERIAL:

Low carbon steel.

Reference: ASME/ANSI
B18.22M



All dimensions in millimeters (mm).

WIDE SERIES

Nominal washer size	PART NUMBER	A Inside diameter		B Outside diameter		C Material thickness		Total Runout F.I.M. ♦♦
		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
1.6	40	2.09	1.95	6.00	5.70	0.90	0.60	0.24
2	41	2.64	2.50	8.00	7.64	0.90	0.60	
2.5	42	3.14	3.00	10.00	9.64	1.20	0.80	
3	43	3.68	3.50	12.00	11.57	1.40	1.00	0.30
3.5	44	4.18	4.00	15.00	14.57	1.75	1.20	
4	45	4.88	4.70	16.00	15.57	2.30	1.60	0.36
5	46	5.68	5.50	20.00	19.48	2.30	1.60	
6	47	6.87	6.65	25.40	24.88	2.30	1.60	
8	49	9.12	8.90	32.00	31.38	2.80	2.00	0.42
10	50	11.12	10.85	39.00	38.38	3.50	2.50	0.50
12	51	13.57	13.30	44.00	43.38	3.50	2.50	
14	52	15.52	15.25	50.00	40.38	4.00	3.00	
16	53	17.52	17.25	56.00	54.80	4.60	3.50	0.92
20	54	22.32	21.80	66.00	64.80	5.10	4.00	
24	55	26.12	25.60	72.00	70.80	5.60	4.50	
30	56	33.02	32.40	90.00	88.60	6.40	5.00	1.40
36	57	38.92	38.30	110.00	108.60	8.50	7.00	

FLATNESS REQUIREMENT: Washers shall be flat within 0.25 mm for sizes with outside diameters up to 25.0 mm and within 0.01 mm per mm of outside diameter for sizes with outside diameters greater than 25.0 mm.

FINISH: Other finishes available,
tabulated on L9991 – Finish suffix chart.

♦ **PREFERRED SIZE**

♦ Metric “Standards” cross-reference
chart tabulated on L9992.

♦♦ F.I.M. – Full indicator movement

PT NO. SUFFIX	FINISH DESCRIPTION	GE FINISH REFERENCE
None	Unplated	-
B32	0.005 zinc & blue dye	F70B1A
B33	0.005 zinc, blue dye & chromate coating	F70B5A

PART NUMBER EXAMPLE: L400P57B32 identifies a plain steel washer, wide series intended for use with a M36 screw, zinc plated with blue dye.

This drawing and latest issue of the specification completely define the part.

SPECIFICATION	GENERAL ELECTRIC STANDARD	Drawing No.
	Washer Plain	L400 Page 3 of 3
C4L100		