



### Metric Steel Hex Nut, Style 1, PC8

Reference ANSI B18.2.4.1M and ISO 4032

DESCRIPTION: (C2L100A3)

ISO metric hex nut, Style 1 ♣

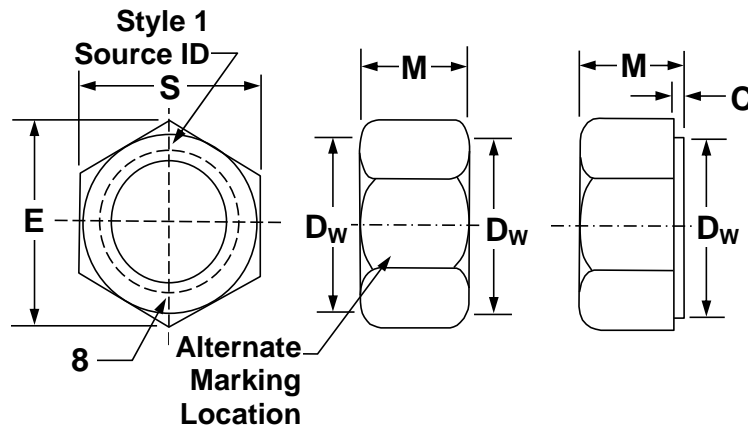
Note: Washer-face form may be ordered separately.

MATERIAL: Low carbon steel, Property Class 8,  
conforming to ISO 4032.

HARDNESS: Rockwell (HRC) 30 max.  
Vickers (VHN) 188 to 302.

SCREW THREADS: Coarse threads.  
(ISO) Tolerance Class 6H – unplated.

MARKINGS: PC 8 and registered source ID.



For GE Energy Applications Only: The EMPIS Specification  
takes precedence over the DIN, EN & ISO specification.

All dimensions are in millimeters unless otherwise indicated.

THREAD SIZE		M3 ♠	M3.5	M4 ♠	M5 ♠	M6 ♠	M8 ♠	M10 ♠	M12 ♠	M14
PITCH		0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2
C Washer face thickness	max	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.60	0.60
	min	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
D <sub>w</sub> Bearing face diameter	min	4.6	5.1	5.9	6.9	8.9	11.6	14.6	16.6	19.6
E Width across corners	max	6.35	6.93	8.08	9.24	11.55	15.01	18.45	20.78	24.25
	min	6.01	6.58	7.66	8.79	11.05	14.38	17.77	20.03	23.36
M Thickness	max	2.40	2.80	3.20	4.70	5.20	6.80	8.40	10.80	12.80
	min	2.15	2.55	2.90	4.40	4.90	6.44	8.04	10.37	12.10
S Width across flats	max	5.50	6.00	7.00	8.00	10.00	13.00	16.00	18.00	21.00
	min	5.32	5.82	6.78	7.78	9.78	12.73	15.73	17.33	20.67
PART NUMBER		10	11	12	14	15	17	19	21	23

THREAD SIZE		M16 ♠	M20 ♠	M24 ♠	M30 ♠	M36 ♠	M42 ♠	M48 ♠	M56 ♠	M64 ♠
PITCH		2	2.5	3	3.5	4	4.5	5	5.5	6
C Washer face thickness	max	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
	min	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
D <sub>w</sub> Bearing face diameter	min	22.5	27.7	33.2	42.7	51.1	60	69.5	78.7	88.2
E Width across corners	max	27.71	34.64	41.57	53.12	63.51	–	–	–	–
	min	26.75	32.95	39.55	50.85	60.79	71.3	82.6	93.56	104.86
M Thickness	max	14.80	18.00	21.50	25.60	31.00	34.0	38.0	45.0	51.0
	min	14.10	16.90	20.20	24.30	29.40	32.4	36.4	43.4	49.1
S Width across flats	max	24.00	30.00	36.00	46.00	55.00	65.0	75.0	85.0	95.0
	min	23.67	29.16	35.00	45.00	53.80	63.1	73.1	82.8	92.8
PART NUMBER		25	29	33	37	41	45	50	53	57

FINISH: Other finishes available, tabulated on L9991 – Finish Suffix Chart

#### ♦ PREFERRED SIZE

♣ Metric “Standards” cross reference chart  
tabulated on L9992

PT NO SUFFIX	DESCRIPTION	FINISH REFERENCE
None	Unplated	–
B	0.005 zinc	F70B1A1

PART NUMBER EXAMPLE: L200FP19B identifies a M10 x 1.5 mm steel hex nut, Style 1, zinc plated.

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

SPECIFICATION	GENERAL ELECTRIC STANDARD	Drawing No.
	<b>Nut</b> Hex, Style 1, PC 8	<b>L200F</b>
<b>C2L100</b>		Page 1 of 1