

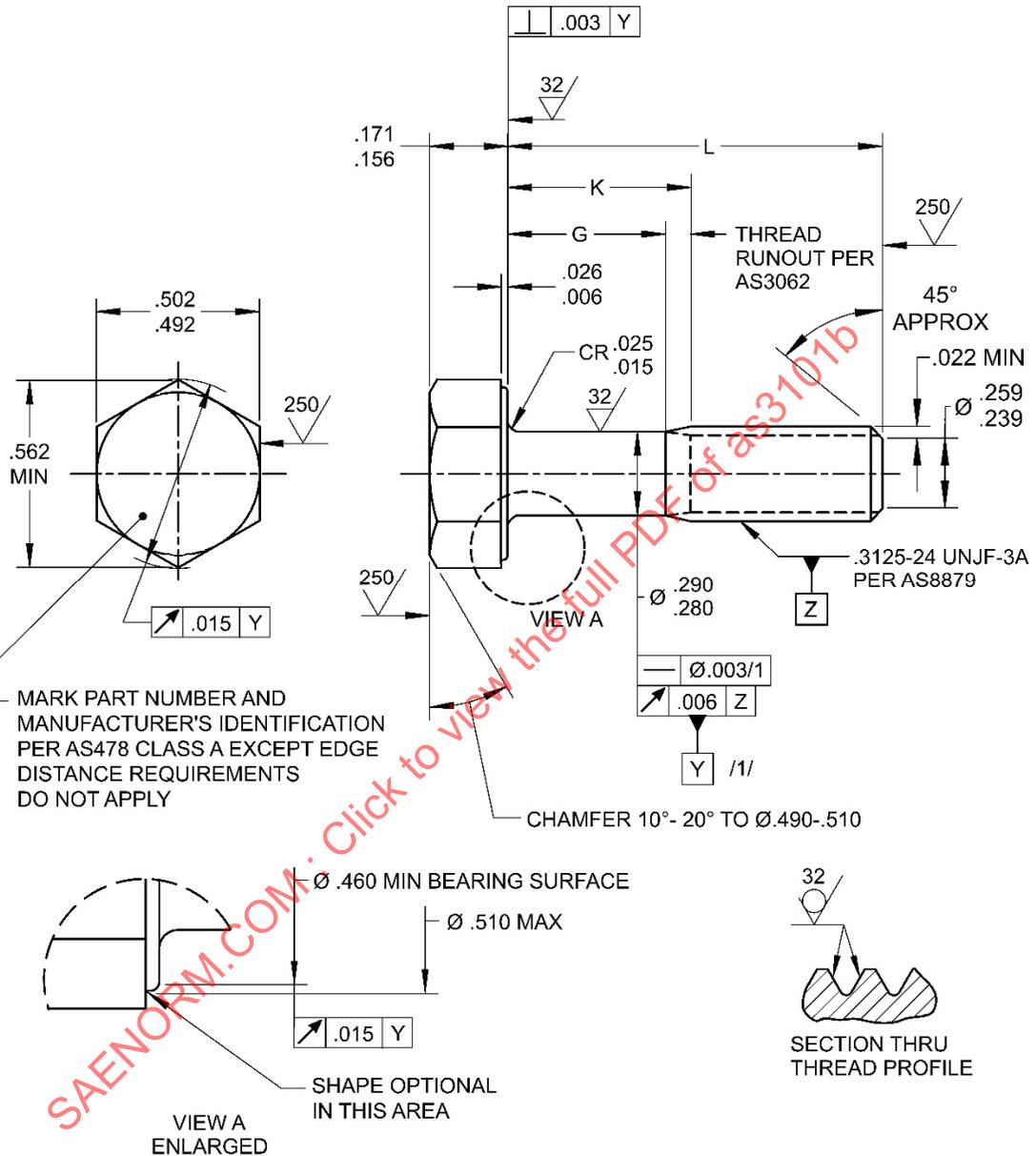
RATIONALE

CORRECT SURFACE FINISH IN NOTE 5 (REVISE 32 TO 125). UPDATE TO ASME Y14.5-2018. REVISE DATUM DESIGNATION LETTERS. ADD SURFACE TEXTURE REQUIREMENT TO FIGURE 1. REVISE HEAD TO SHANK FILLET TO CR. ADD RUNOUT REQUIREMENT TO BEARING FACE. GENERAL EDITORIAL REVISIONS.

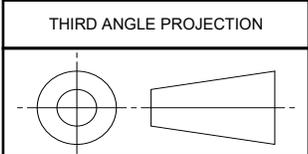
REV.  
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AS3101™

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



**AEROSPACE STANDARD**

BOLT, MACHINE - HEXAGON HEAD, PD SHANK,  
CORROSION AND HEAT RESISTANT STEEL,  
UNS S66286, .3125-24 UNJF-3A

AS3101™  
SHEET 1 OF 3

REV.  
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ISSUED 1979-07 REAFFIRMED 2012-11 REVISED 2024-03

TABLE 1 - PART NUMBERS AND DIMENSIONS (REFER TO MS9491 FOR SHORTER LENGTHS)

PART NUMBER	L	G MIN	K MAX	APPROX MASS LB/100
AS3101-13	1.052-1.072	.044	.188	2.87
AS3101-14	1.115-1.135	.107	.250	2.98
AS3101-15	1.178-1.198	.170	.312	3.10
AS3101-16	1.240-1.260	.232	.375	3.21
AS3101-17	1.302-1.322	.294	.438	3.33
AS3101-18	1.365-1.385	.357	.500	3.44
AS3101-19	1.428-1.448	.420	.562	3.56
AS3101-20	1.490-1.510	.482	.625	3.67
AS3101-21	1.552-1.572	.544	.688	3.79
AS3101-22	1.615-1.635	.607	.750	3.90
AS3101-23	1.678-1.698	.670	.812	4.01
AS3101-24	1.740-1.760	.732	.875	4.13
AS3101-25	1.802-1.822	.794	.938	4.24
AS3101-26	1.865-1.885	.857	1.000	4.36
AS3101-27	1.928-1.948	.920	1.062	4.47
AS3101-28	1.990-2.010	.982	1.125	4.59
AS3101-29	2.115-2.135	1.107	1.250	4.82
AS3101-30	2.240-2.260	1.232	1.375	5.04
AS3101-31	2.365-2.385	1.357	1.500	5.27
AS3101-32	2.490-2.510	1.482	1.625	5.50
AS3101-33	2.615-2.635	1.607	1.750	5.73
AS3101-34	2.740-2.760	1.732	1.875	5.96
AS3101-35	2.865-2.885	1.857	2.000	6.19
AS3101-36	2.990-3.010	1.982	2.125	6.42
AS3101-37	3.115-3.135	2.107	2.250	6.65
AS3101-38	3.240-3.260	2.232	2.375	6.88
AS3101-39	3.365-3.385	2.357	2.500	7.10
AS3101-40	3.490-3.510	2.482	2.625	7.33
AS3101-41	3.615-3.635	2.607	2.750	7.56
AS3101-42	3.740-3.760	2.732	2.875	7.79
AS3101-43	3.865-3.885	2.857	3.000	8.02
AS3101-44	3.990-4.010	2.982	3.125	8.25
AS3101-45	4.115-4.135	3.107	3.250	8.48
AS3101-46	4.240-4.260	3.232	3.375	8.71
AS3101-47	4.365-4.385	3.357	3.500	8.94
AS3101-48	4.490-4.510	3.482	3.625	9.16
AS3101-49	4.615-4.635	3.607	3.750	9.39
AS3101-50	4.740-4.760	3.732	3.875	9.62
AS3101-51	4.865-4.885	3.857	4.000	9.85
AS3101-52	4.990-4.510	3.982	4.125	10.08
AS3101-53	5.115-5.135	4.107	4.250	10.31
AS3101-54	5.240-5.260	4.232	4.375	10.54
AS3101-55	5.365-5.385	4.357	4.500	10.77
AS3101-56	5.490-5.510	4.482	4.625	11.00
AS3101-57	5.615-5.635	4.607	4.750	11.23
AS3101-58	5.740-5.760	4.732	4.875	11.46
AS3101-59	5.865-5.885	4.857	5.000	11.79
AS3101-60	5.590-6.010	4.982	5.125	12.02