

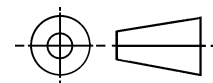
AS3252

Technical drawing of a double hex screw. The drawing includes a side view and a cross-sectional view of the head. Key dimensions and callouts include:

- Head Dimensions:**
 - Top view: $\phi .510$ (12.95), $\phi .490$ (12.45), $\phi .216$ (5.48), $\phi .196$ (4.98).
 - Side view: $\phi .216$ (5.48), $\phi .196$ (4.98), $\phi .290$ (7.36), $\phi .280$ (7.12).
- Thread Dimensions:**
 - Major diameter: $\phi .239$ (6.07), $\phi .219$ (5.57).
 - Pitch: $.003$ (0.076).
 - Lead: $.003$ (0.076).
 - Thread runout: (SEE NOTE 6).
- Head Profile:**
 - Top view: 45° chamfer, 5° MAX, 140° MIN.
 - Side view: 32 (0.8 μ m) chamfer, 35° MIN TO ROOT OF DOUBLE HEX.
- Callouts and Notes:**
 - WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE.
 - CHAMFER 28° - 32° TO $\phi .365$ -. 385 (9.28-9.77).
 - MARK PART NO. AND MANUFACTURER'S IDENT PER AS 478 CLASS A.
 - SECTION THRU THREAD PROFILE.

FIGURE 1

THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS



AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEX EXTENDED
WASHER HEAD, DRILLED, PD SHANK, SILVER PLATED
.3125-24 UNJF-3A

AS3252
SHEET 1 OF 3

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AS3252

TABLE 1

PART NUMBER	L		G MIN		K MAX		APPROX MASS	
	INCH	mm	INCH	mm	INCH	mm	LB/100	kg/100
AS3252-04	.490-.510	12.45-12.95	.025	0.64	.108	2.74	1.91	0.866
AS3252-05	.552-.572	14.03-14.52	.025	0.64	.108	2.74	2.03	0.923
AS3252-06	.615-.635	15.63-16.12	.025	0.64	.108	2.74	2.15	0.975
AS3252-07	.678-.698	17.23-17.72	.025	0.64	.108	2.74	2.26	1.026
AS3252-08	.740-.760	18.80-19.30	.025	0.64	.108	2.74	2.39	1.083
AS3252-09	.802-.822	20.38-20.87	.025	0.64	.108	2.74	2.50	1.135
AS3252-10	.865-.885	21.98-22.47	.025	0.64	.108	2.74	2.63	1.191
AS3252-11	.928-.948	23.58-24.07	.025	0.64	.108	2.74	2.74	1.243
AS3252-12	.990-1.010	25.15-25.65	.025	0.64	.125	3.17	2.87	1.299
AS3252-13	1.052-1.072	26.73-27.22	.044	1.12	.188	4.77	2.98	1.351
AS3252-14	1.115-1.135	28.33-28.82	.107	2.72	.250	6.35	3.09	1.403
AS3252-15	1.178-1.198	29.93-30.42	.170	4.32	.312	7.92	3.22	1.460
AS3252-16	1.240-1.260	31.50-32.00	.232	5.90	.375	9.52	3.33	1.511
AS3252-17	1.302-1.322	33.08-33.57	.294	7.47	.438	11.12	3.46	1.568
AS3252-18	1.365-1.385	34.68-35.17	.357	9.07	.500	12.70	3.57	1.620
AS3252-19	1.428-1.448	36.28-36.77	.420	10.67	.562	14.27	3.70	1.676
AS3252-20	1.490-1.510	37.85-38.35	.482	12.25	.625	15.87	3.81	1.728
AS3252-21	1.552-1.572	39.43-39.92	.544	13.82	.688	17.47	3.93	1.784
AS3252-22	1.615-1.635	41.03-41.52	.607	15.42	.750	19.05	4.05	1.836
AS3252-23	1.678-1.698	42.63-43.12	.670	17.02	.812	20.62	4.16	1.888
AS3252-24	1.740-1.760	44.20-44.70	.732	18.60	.875	22.22	4.29	1.945
AS3252-25	1.802-1.822	45.78-46.27	.794	20.17	.938	24.82	4.40	1.996
AS3252-26	1.865-1.885	47.38-47.87	.857	21.77	1.000	25.40	4.53	2.053
AS3252-27	1.928-1.948	48.98-49.47	.920	23.37	1.062	26.97	4.64	2.105
AS3252-28	1.990-2.010	50.55-51.05	.982	24.95	1.125	28.57	4.76	2.161
AS3252-29	2.115-2.135	53.73-54.22	1.107	28.12	1.250	31.75	5.00	2.269
AS3252-30	2.240-2.260	56.90-57.40	1.232	31.30	1.375	34.92	5.23	2.373
AS3252-31	2.365-2.385	60.08-60.57	1.357	34.47	1.500	38.10	5.47	2.481
AS3252-32	2.490-2.510	63.25-63.75	1.482	37.65	1.625	41.27	5.71	2.590
AS3252-33	2.615-2.635	66.43-66.92	1.607	40.82	1.750	44.45	5.95	2.698
AS3252-34	2.740-2.760	69.60-70.10	1.732	44.00	1.875	47.62	6.19	2.806
AS3252-35	2.865-2.885	72.78-73.27	1.857	47.17	2.000	50.80	6.43	2.914
AS3252-36	2.990-3.010	75.95-76.45	1.982	50.35	2.125	53.97	6.66	3.023
AS3252-37	3.115-3.135	79.13-79.62	2.107	53.52	2.250	57.15	6.90	3.131
AS3252-38	3.240-3.260	82.30-82.80	2.232	56.70	2.375	60.32	7.14	3.239
AS3252-39	3.365-3.385	85.48-85.97	2.357	59.87	2.500	63.50	7.37	3.343
AS3252-40	3.490-3.510	88.65-89.15	2.482	63.05	2.625	66.67	7.61	3.451
AS3252-41	3.615-3.635	91.83-92.32	2.607	66.22	2.750	69.85	7.85	3.559
AS3252-42	3.740-3.760	95.00-95.50	2.732	69.40	2.875	73.02	8.09	3.668
AS3252-43	3.865-3.885	98.18-98.67	2.857	72.57	3.000	76.20	8.33	3.776
AS3252-44	3.990-4.010	101.35-101.85	2.982	75.75	3.125	79.37	8.56	3.884
AS3252-45	4.115-4.135	104.53-104.52	3.107	78.92	3.250	82.55	8.80	3.993
AS3252-46	4.240-4.260	107.70-108.20	3.232	82.10	3.375	85.72	9.04	4.101
AS3252-47	4.365-4.385	110.88-111.37	3.357	85.27	3.500	88.90	9.28	4.209
AS3252-48	4.490-4.510	114.05-114.55	3.482	88.45	3.625	92.07	9.51	4.313
AS3252-49	4.615-4.635	117.23-117.72	3.607	91.62	3.750	95.25	9.75	4.421
AS3252-50	4.740-4.760	120.40-120.90	3.732	94.80	3.875	98.42	9.99	4.529
AS3252-51	4.865-4.885	123.58-124.07	3.857	97.97	4.000	101.60	10.22	4.638
AS3252-52	4.990-5.010	126.75-127.25	3.982	101.15	4.125	104.77	10.46	4.746
AS3252-53	5.115-5.135	129.93-130.42	4.107	104.32	4.250	107.95	10.70	4.854
AS3252-54	5.240-5.260	133.10-133.60	4.232	107.50	4.375	111.12	10.94	4.963
AS3252-55	5.365-5.385	136.28-136.77	4.357	110.67	4.500	114.30	11.18	5.071
AS3252-56	5.490-5.510	139.45-139.95	4.482	113.85	4.625	117.47	11.42	5.179
AS3252-57	5.615-5.635	142.63-143.12	4.607	117.02	4.750	120.65	11.66	5.287
AS3252-58	5.740-5.760	145.80-146.30	4.732	120.20	4.875	123.82	11.89	5.391
AS3252-59	5.865-5.885	148.98-149.47	4.857	123.37	5.000	127.00	12.13	5.502
AS3252-60	5.990-6.010	152.15-152.65	4.982	126.55	5.125	130.17	12.37	5.611

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