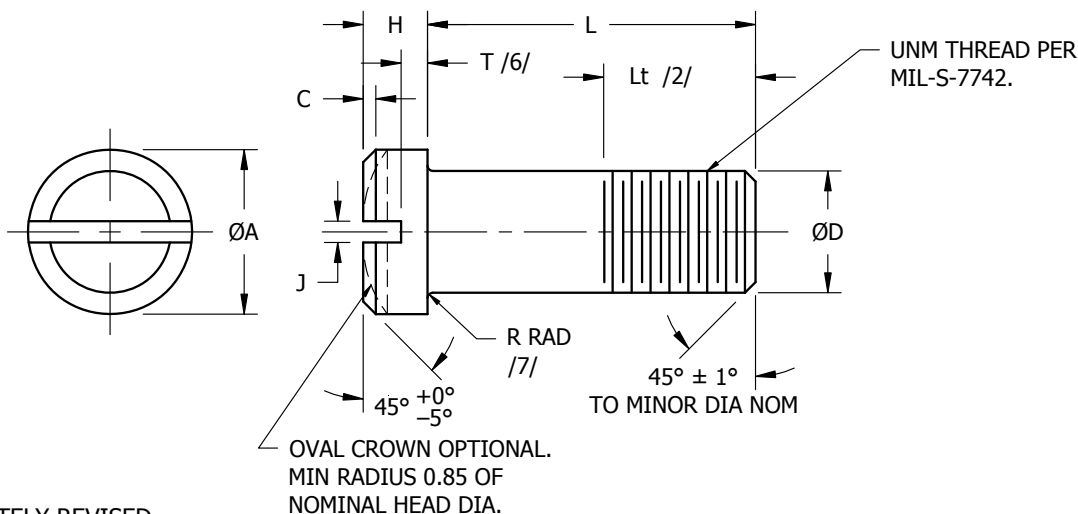


FED. SUPPLY CLASS
5305



③ COMPLETELY REVISED

TABLE I – DIMENSIONS

SIZE DESIGNATION	THREADS PER INCH	ØD BASIC MAJOR DIA	HEAD DIMENSIONS									
			ØA HEAD		H HEAD HEIGHT		J SLOT WIDTH		T SLOT DEPTH /6/		C CHAMFER	R RAD /7/
			MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX
/a/ .30 UNM	318	.0118	.021	.019	.012	.010	.004	.003	.006	.004	.002	.002
.35 UNM	282	.0138	.023	.021	.014	.012	.004	.003	.007	.005	.002	.002
/a/ .40 UNM	254	.0157	.025	.023	.016	.013	.005	.003	.008	.006	.002	.002
.45 UNM	254	.0177	.029	.027	.018	.015	.005	.003	.009	.007	.002	.002
/a/ .50 UNM	203	.0197	.033	.031	.020	.017	.006	.004	.010	.007	.003	.002
.55 UNM	203	.0217	.037	.035	.022	.019	.006	.004	.011	.008	.003	.002
/a/ .60 UNM	169	.0236	.041	.039	.025	.021	.008	.005	.012	.009	.004	.003
.70 UNM	145	.0276	.045	.043	.028	.024	.008	.005	.014	.011	.004	.003
/a/ .80 UNM	127	.0315	.051	.049	.032	.028	.010	.007	.016	.012	.005	.004
.90 UNM	113	.0354	.056	.054	.036	.032	.010	.007	.018	.014	.005	.004
/a/ 1.00 UNM	102	.0394	.062	.058	.040	.035	.012	.008	.020	.016	.006	.005
1.10 UNM	102	.0433	.072	.068	.045	.040	.012	.008	.022	.018	.006	.005
/a/ 1.20 UNM	102	.0472	.082	.078	.050	.045	.016	.012	.025	.020	.008	.006
1.40 UNM	85	.0551	.092	.088	.055	.050	.016	.012	.028	.023	.008	.006

/a/ BOLD FACE TYPE INDICATES PREFERRED SIZES.

MATERIAL:

CRES PER QQ-S-763 AMS-QQ-S-763

CLASS 303 (UNS S30300), COND A

CLASS 416 (UNS S41600), COND A

CLASS 420 (UNS S42000), COND A

BRASS – ALLOY 360 (UNS C36000) PER QQ-B-626, COMP 22 ASTM B16/B16M, TEMPER HALF HARD

COPPER-NICKEL-ZINC ALLOY (NICKEL SILVER) – QQ-C-586, COMP 4, TEMPER HARD

ALLOY 792 (UNS C79200) PER ASTM B151/B151M, TEMPER H04. HEAT IDENTIFICATION, TRACEABILITY DETAIL, CERTIFICATION AND MILL TEST REPORT REQUIRED.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NAS725	TITLE SCREW, MINIATURE, FILLISTER HEAD	CLASSIFICATION PART STANDARD
		NAS721 SHEET 1 OF 3

HEAT TREATMENT:

CRES: CLASS 416, COND A: HEAT TREAT TO APPROX 120-150 KSI (28-34 HRC).
CRES: CLASS 420, COND A: HEAT TREAT TO APPROX 240-260 KSI (50-53 HRC).

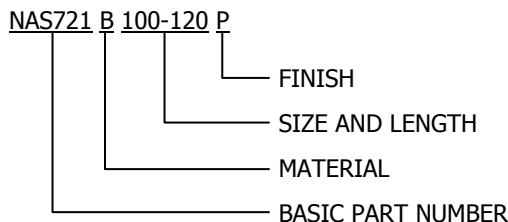
FINISH:

CRES: PASSIVATE PER FEDERAL SPECIFICATION FF-S-85.
BRASS: BARE, BLACK OXIDE OR NICKEL FLASH.
NICKEL SILVER: NONE

CODE:

ADD "CE" BEFORE DASH NUMBER FOR CLASS 303 PASSIVATED CRES SCREWS.
ADD "CK" BEFORE DASH NUMBER FOR CLASS 416 PASSIVATED CRES SCREWS.
ADD "CW" BEFORE DASH NUMBER FOR CLASS 420 PASSIVATED CRES SCREWS.
ADD "B" BEFORE DASH NUMBER AND "P" AFTER DASH NUMBER FOR BARE OR PLAIN BRASS SCREWS.
ADD "B" BEFORE DASH NUMBER AND "K" AFTER DASH NUMBER FOR BRASS SCREWS WITH BLACK OXIDE FINISH.
ADD "B" BEFORE DASH NUMBER AND "W" AFTER DASH NUMBER FOR BRASS SCREWS WITH NICKEL FLASH FINISH.
ADD "E" BEFORE DASH NUMBER AND "P" AFTER DASH NUMBER FOR BARE OR PLAIN NICKEL SILVER SCREWS.

EXAMPLES OF PART NUMBER:



NAS721CK100-120 = SIZE DESIGNATION 1.00 UNM (Ø.0394), CLASS 416 PASSIVATED CRES SCREW, .120 INCHES LONG.
NAS721B40-060P = SIZE DESIGNATION .40 UNM (Ø.0157), BARE OR PLAIN BRASS SCREW, .060 INCHES LONG.
NAS721B80-080K = SIZE DESIGNATION .80 UNM (Ø.0315), BLACK OXIDE BRASS SCREW, .080 INCHES LONG.
NAS721E30-025P = SIZE DESIGNATION .30 UNM (Ø.0118), BARE OR PLAIN NICKEL SILVER SCREW, .025 INCHES LONG.

NOTES:

- (1) THE DIAMETER OF THE UNTHREADED BODY SHALL NOT BE MORE THAN THE MAXIMUM MAJOR DIAMETER NOR LESS THAN THE MINIMUM PITCH DIAMETER OF THE THREAD.

REVISION

3

3 COMPLETELY REVISED



NAS721
SHEET 2

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