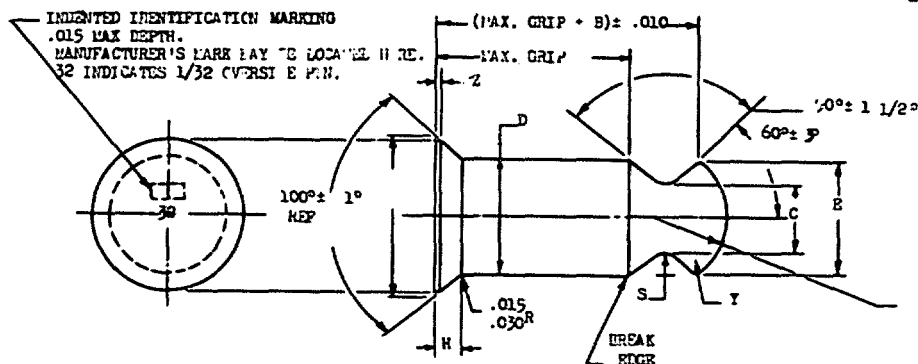


FSC CLASS
5320

NOMINAL DIAMETER	A DIA	B	(b) DIA	C DIA	(b) DIA	(c) F	(c) H	P SPHER RAD	S RAD	Y MAX RAD	Z
7/32	.2016 .2966	.125	.119 .115	.2197 .2166	.185 .181	.005	.0347 .0327	.128 .112	.054 .030	.0075	.015 .005
9/32	.2948 .3898	.165	.156 .152	.2823 .2811	.245 .241	.005	.0475 .0450	.167 .155	.044 .020	.0075	.015 .005
11/32	.4732 .5682	.206	.194 .189	.3447 .3436	.307 .302	.007	.0546 .0526	.206 .194	.051 .050	.0075	.015 .005
13/32	.5604 .6554	.248	.232 .227	.4072 .4061	.370 .365	.008	.0647 .0627	.250 .237	.066 .062	.0075	.015 .005
15/32	.668 .763	.269	.270 .265	.4697 .4686	.430 .425	.009	.0835 .0810	.295 .280	.077 .075	.0125	.022 .005
17/32	.774 .869	.330	.303 .303	.5122 .5111	.482 .488	.010	.094 .0909	.337 .322	.082 .085	.0125	.022 .005

NOMINAL DIAMETER	(d) MAX. GRIP LENGTH AND DASH NUMBERS														
	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	
7/32	7-3	7-4	7-5	7-6	7-7	7-8	7-9	7-10	7-11	7-12	7-13	7-14	7-15	7-16	
9/32		9-4	9-5	9-6	9-7	9-8	9-9	9-10	9-11	9-12	9-13	9-14	9-15	9-16	
11/32			11-5	11-6	11-7	11-8	11-9	11-10	11-11	11-12	11-13	11-14	11-15	11-16	
13/32				13-6	13-7	13-8	13-9	13-10	13-11	13-12	13-13	13-14	13-15	13-16	
15/32					15-7	15-8	15-9	15-10	15-11	15-12	15-13	15-14	15-15	15-16	
17/32						17-8	17-9	17-10	17-11	17-12	17-13	17-14	17-15	17-16	

- (a) Head edge out of roundness shall not exceed "F".
- (b) "C" and "E" shall be concentric with "G" within .004 total runout for 7/32, 9/32, 11/32 and 13/32 sizes; within .005 for 15/32 and 17/32 sizes.
- (c) "H" is dimensioned from maximum "D" diameter.
- (d) For pins with grip length in excess of 1 inch, each second dash number indicates max. grip in 1/16 increments.

MATERIAL: Steel, Spec. AN-S-9, AN-QQ-S-690, MIL-S-5626, MIL-S-6049, MIL-S-6050, MIL-S-6098 or MIL-S-6758.

HEAT TREAT: 160,000 to 180,000 PSI Spec. MIL-H-6875.

FINISH: Cadmium plate, Spec. QQ-P-416, Type I, Class C.

Roughness of surfaces outside of maximum grip shall not exceed 80 RMS micro inches measured before plating.

Roughness of surfaces within maximum grip shall not exceed 60 RMS micro inches measured before plating.

Conical surface of head and shank to be concentric within .005 full indicator reading.

Example of part no. 409-9-14 = pin, 9/32 dia., 7/8 max. grip length.

409-9-19 = pin, 5/32 dia., 1-5/16 max. grip length.

Dimensions in inches to be met after plating.

NOT FOR DESIGN.
FOR REPLACEMENT PURPOSES ONLY.

REINSTATED 6 JUNE 1966

APPROVED 29 JULY 55 REVISED

CUSTODIAN

ASST-Force

PROCUREMENT SPECIFICATION

MILITARY STANDARD

PIN-100° COUNTERSINK HEAD, III-CLASS, OVERSIZE, 160,000 PSI

MS21001

SHEET (GROUP) (ISSUE)