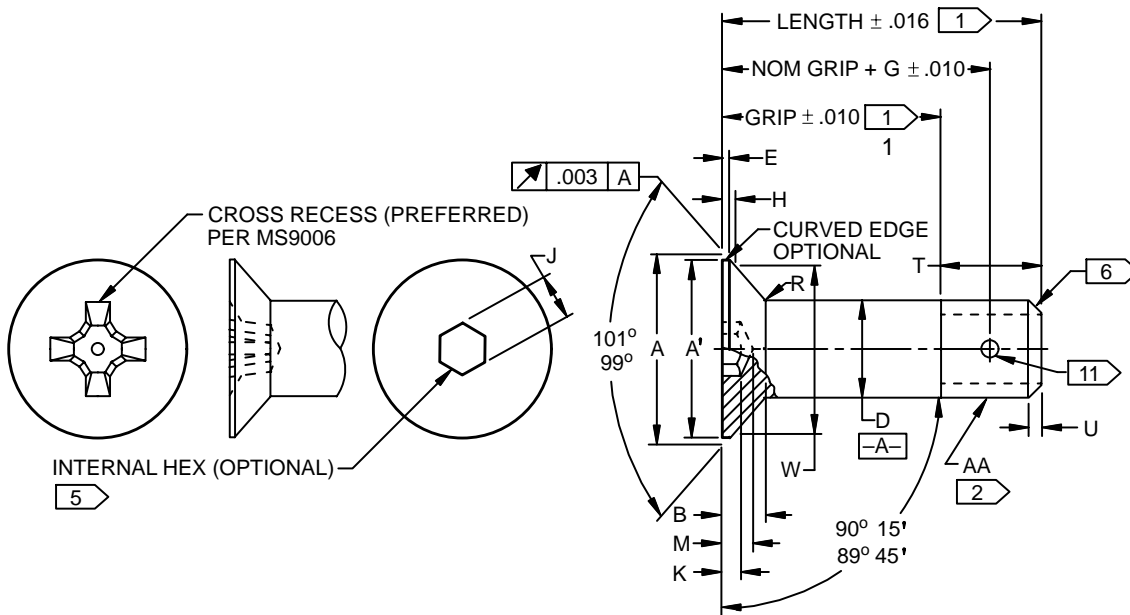


BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK



DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.
DIMENSIONS TO BE MET AFTER PLATING, EXCEPT AS NOTED.

TECHNICAL CHANGES IDENTIFIED BY REVISION BAR.

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB
SH 1 OF 12

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB
SH 1 OF 12

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

TABLE I

BOEING STANDARD NUMBER BACB30AB 8	AA NOMINAL THREAD SIZE 2	Ø A TO SHARP CORNER MAX 3	Ø A' MIN 3	B HEAD HEIGHT MAX 3	Ø D UNPLATED SHANK TYPE		Ø D PLATED SHANK TYPE			
							BEFORE PLATE		AFTER PLATE	
					MAX	MIN	MAX	MIN	MAX	MIN
3	.1900-32	.3879	.3293	.0841	.1894	.1889	.1886	.1881	.1894	.1885
4	.2500-28	.5113	.4512	.1110	.2492	.2487	.2484	.2479	.2492	.2483
5	.3125-24	.6397	.5730	.1389	.3117	.3112	.3109	.3104	.3117	.3108
6	.3750-24	.7679	.6927	.1667	.3742	.3737	.3734	.3729	.3742	.3733
7	.4375-20	.8973	.8133	.1951	.4367	.4362	.4359	.4354	.4367	.4358
8	.5000-20	1.0241	.9293	.2224	.4991	.4986	.4983	.4978	.4991	.4982
9	.5625-18	1.1532	1.0471	.2506	.5616	.5611	.5608	.5603	.5616	.5607
10	.6250-18	1.2815	1.1621	.2785	.6240	.6234	.6232	.6226	.6240	.6230
12	.7500-16	1.5381	1.4047	.3345	.7488	.7481	.7480	.7473	.7488	.7477
14	.8750-14	1.7933	1.6439	.3898	.8737	.8729	.8729	.8721	.8737	.8725
16	1.0000-14 4	2.0501	1.8844	.4458	.9985	.9975	.9977	.9967	.9985	.9971

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 2

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 2

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

TABLE I (CONTINUED)

BOEING STANDARD NUMBER BACB30AB 8	E MAX	G 7	H GAGE PROTRUSION 10		J HEX		K ± .010	M MAX	P + .010 - .000
			NOM	± TOL	MAX	MIN			
3	.018	.188	.0220	.0030	.1290	.1250	.063	.075	.070
4	.018	.188	.0295	.0032	.1592	.1572	.063	.095	.076
5	.020	.188	.0355	.0035	.1905	.1885	.078	.110	.076
6	.023	.219	.0415	.0037	.2217	.2197	.094	.140	.106
7	.026	.219	.0450	.0040	.3165	.3135	.094	.155	.106
8	.030	.250	.0510	.0042	.3790	.3760	.094	.162	.106
9	.034	.312	.0575	.0045	.3790	.3760	.094	.164	.141
10	.039	.312	.0650	.0047	.5040	.5010	.094	.182	.141
12	.044	.375	.0750	.0050	.5660	.5630	.125	.228	.141
14	.050	.438	.0855	.0052	.6295	.6257	.141	.256	.141
16	.056	.500	.0965	.0055	.7547	.7507	.156	.293	.141

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 3

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 3

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

TABLE I (CONTINUED)

BOEING STANDARD NUMBER BACB30AB 8	R RAD		T REF	U MAX	Ø W GAGE + .0002 - .0000 10	PHILLIPS RECESS SIZE
	MAX	MIN				
3	.030	.015	.344	.047	.3270	2
4	.030	.015	.375	.047	.4318	3
5	.040	.015	.453	.062	.5449	4
6	.040	.015	.469	.062	.6580	4
7	.050	.015	.516	.062	.7782	4
8	.050	.015	.516	.062	.8900	4
9	.050	.015	.594	.078	1.0026	4
10	.070	.015	.625	.078	1.1122	5
12	.080	.015	.656	.078	1.3438	5
14	.090	.015	.734	.094	1.5730	6
16	.100	.015	.828	.094	1.8024	6

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 4

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 4

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK**TABLE II** 

SECOND DASH NO.	.1900-32		.2500-28		.3125-24		.3750-24		.4375-20	
	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP
3	.531	.188	.562	.188	.641	.188	---	---	---	---
5	.656	.312	.688	.312	.766	.312	.656	.188	---	---
7	.781	.438	.812	.438	.891	.438	.781	.312	.828	.312
9	.906	.562	.938	.562	1.016	.562	.906	.438	.953	.438
11	1.031	.688	1.062	.688	1.141	.688	1.031	.562	1.078	.562
13	1.156	.812	1.188	.812	1.266	.812	1.156	.688	1.203	.688
15	1.281	.938	1.312	.938	1.391	.938	1.281	.812	1.328	.812
17	1.406	1.062	1.438	1.062	1.516	1.062	1.406	.938	1.453	.938
19	1.531	1.188	1.562	1.188	1.641	1.188	1.531	1.062	1.578	1.062
21	1.656	1.312	1.688	1.312	1.766	1.312	1.656	1.188	1.703	1.188
23	1.781	1.438	1.812	1.438	1.891	1.438	1.781	1.312	1.828	1.312
25	1.906	1.562	1.938	1.562	2.016	1.562	1.906	1.438	1.953	1.438
27	2.031	1.688	2.062	1.688	2.141	1.688	2.031	1.562	2.078	1.562
29	2.156	1.812	2.188	1.812	2.266	1.812	2.156	1.688	2.203	1.688
31	2.281	1.938	2.312	1.938	2.391	1.938	2.281	1.812	2.328	1.812
33	2.406	2.062	2.438	2.062	2.516	2.062	2.406	1.938	2.453	1.938
35	2.531	2.188	2.562	2.188	2.641	2.188	2.531	2.062	2.578	2.062
37	2.656	2.312	2.688	2.312	2.766	2.312	2.656	2.188	2.703	2.188
39	2.781	2.438	2.812	2.438	2.891	2.438	2.781	2.312	2.828	2.312
41	2.906	2.562	2.938	2.562	3.016	2.562	2.906	2.438	2.953	2.438
43	3.031	2.688	3.062	2.688	3.141	2.688	3.031	2.562	3.078	2.562
45	3.156	2.812	3.188	2.812	3.266	2.812	3.156	2.688	3.203	2.688
47	3.281	2.938	3.312	2.938	3.391	2.938	3.281	2.812	3.328	2.812
49	3.406	3.062	3.438	3.062	3.516	3.062	3.406	2.938	3.453	2.938
51	3.531	3.188	3.562	3.188	3.641	3.188	3.531	3.062	3.578	3.062
53	3.656	3.312	3.688	3.312	3.766	3.312	3.656	3.188	3.703	3.188
55	3.781	3.438	3.812	3.438	3.891	3.438	3.781	3.312	3.828	3.312
57	3.906	3.562	3.938	3.562	4.016	3.562	3.906	3.438	3.953	3.438
59	4.031	3.688	4.062	3.688	4.141	3.688	4.031	3.562	4.078	3.562
61	4.156	3.812	4.188	3.812	4.266	3.812	4.156	3.688	4.203	3.688

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB**SH 5**

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB**SH 5**

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK**TABLE II (CONTINUED)** 

SECOND DASH NO.	.1900-32		.2500-28		.3125-24		.3750-24		.4375-20	
	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP
63	4.281	3.938	4.312	3.938	4.391	3.938	4.281	3.812	4.328	3.812
65	4.406	4.062	4.438	4.062	4.516	4.062	4.406	3.938	4.453	3.938
67	4.531	4.188	4.562	4.188	4.641	4.188	4.531	4.062	4.578	4.062
69	4.656	4.312	4.688	4.312	4.766	4.312	4.656	4.188	4.703	4.188
71	4.781	4.438	4.812	4.438	4.891	4.438	4.781	4.312	4.828	4.312
73	4.906	4.562	4.938	4.562	5.016	4.562	4.906	4.438	4.953	4.438
75	5.031	4.688	5.062	4.688	5.141	4.688	5.031	4.562	5.078	4.562
77	5.156	4.812	5.188	4.812	5.266	4.812	5.156	4.688	5.203	4.688
79	5.281	4.938	5.312	4.938	5.391	4.938	5.281	4.812	5.328	4.812
81	5.406	5.062	5.438	5.062	5.516	5.062	5.406	4.938	5.453	4.938
83	5.531	5.188	5.562	5.188	5.641	5.188	5.531	5.062	5.578	5.062
85	5.656	5.312	5.688	5.312	5.766	5.312	5.656	5.188	5.703	5.188
87	5.781	5.438	5.812	5.438	5.891	5.438	5.781	5.312	5.828	5.312
89	5.906	5.562	5.938	5.562	6.016	5.562	5.906	5.438	5.953	5.438
91	6.031	5.688	6.062	5.688	6.141	5.688	6.031	5.562	6.078	5.562
93	6.156	5.812	6.188	5.812	6.266	5.812	6.156	5.688	6.203	5.688
95	6.281	5.938	6.312	5.938	6.391	5.938	6.281	5.812	6.328	5.812
97	6.406	6.062	6.438	6.062	6.516	6.062	6.406	5.938	6.453	5.938
99	6.531	6.188	6.562	6.188	6.641	6.188	6.531	6.062	6.578	6.062
101	6.656	6.312	6.688	6.312	6.766	6.312	6.656	6.188	6.703	6.188
103	6.781	6.438	6.812	6.438	6.891	6.438	6.781	6.312	6.828	6.312
105	6.906	6.562	6.938	6.562	7.016	6.562	6.906	6.438	6.953	6.438
107	7.031	6.688	7.062	6.688	7.141	6.688	7.031	6.562	7.078	6.562
109	7.156	6.812	7.188	6.812	7.266	6.812	7.156	6.688	7.203	6.688
111	7.281	6.938	7.312	6.938	7.391	6.938	7.281	6.812	7.328	6.812
113	7.406	7.062	7.438	7.062	7.516	7.062	7.406	6.938	7.453	6.938
115	7.531	7.188	7.562	7.188	7.641	7.188	7.531	7.062	7.578	7.062
117	7.656	7.312	7.688	7.312	7.766	7.312	7.656	7.188	7.703	7.188
119	7.781	7.438	7.812	7.438	7.891	7.438	7.781	7.312	7.828	7.312
121	7.906	7.562	7.938	7.562	8.016	7.562	7.906	7.438	7.953	7.438

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205


BACB30AB**SH 6**

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB**SH 6**

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK**TABLE II (CONTINUED)** 

SECOND DASH NO.	.5000-20		.5625-18		.6250-18		.7500-16		.8750-14		1.0000-14 	
	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP
3	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
9	.828	.312	.844	.250	---	---	---	---	---	---	---	---
11	.953	.438	.969	.375	.938	.312	---	---	---	---	---	---
13	1.078	.562	1.094	.500	1.062	.438	1.031	.375	---	---	---	---
15	1.203	.688	1.219	.625	1.188	.562	1.156	.500	1.234	.500	---	---
17	1.328	.812	1.344	.750	1.312	.688	1.281	.625	1.359	.625	1.453	.625
19	1.453	.938	1.469	.875	1.438	.812	1.406	.750	1.484	.750	1.578	.750
21	1.578	1.062	1.594	1.000	1.562	.938	1.531	.875	1.609	.875	1.703	.875
23	1.703	1.188	1.719	1.125	1.688	1.062	1.656	1.000	1.734	1.000	1.828	1.000
25	1.828	1.312	1.844	1.250	1.812	1.188	1.781	1.125	1.859	1.125	1.953	1.125
27	1.953	1.438	1.969	1.375	1.938	1.312	1.906	1.250	1.984	1.250	2.078	1.250
29	2.078	1.562	2.094	1.500	2.062	1.438	2.031	1.375	2.109	1.375	2.203	1.375
31	2.203	1.688	2.219	1.625	2.188	1.562	2.156	1.500	2.234	1.500	2.328	1.500
33	2.328	1.812	2.344	1.750	2.312	1.688	2.281	1.625	2.359	1.625	2.453	1.625
35	2.453	1.938	2.469	1.875	2.438	1.812	2.406	1.750	2.484	1.750	2.578	1.750
37	2.578	2.062	2.594	2.000	2.562	1.938	2.531	1.875	2.609	1.875	2.703	1.875
39	2.703	2.188	2.719	2.125	2.688	2.062	2.656	2.000	2.734	2.000	2.828	2.000
41	2.828	2.312	2.844	2.250	2.812	2.188	2.781	2.125	2.859	2.125	2.953	2.125
43	2.953	2.438	2.969	2.375	2.938	2.312	2.906	2.250	2.984	2.250	3.078	2.250
45	3.078	2.562	3.094	2.500	3.062	2.438	3.031	2.375	3.109	2.375	3.203	2.375
47	3.203	2.688	3.219	2.625	3.188	2.562	3.156	2.500	3.234	2.500	3.328	2.500
49	3.328	2.812	3.344	2.750	3.312	2.688	3.281	2.625	3.359	2.625	3.453	2.625
51	3.453	2.938	3.469	2.875	3.438	2.812	3.406	2.750	3.484	2.750	3.578	2.750
53	3.578	3.062	3.594	3.000	3.562	2.938	3.531	2.875	3.609	2.875	3.703	2.875
55	3.703	3.188	3.719	3.125	3.688	3.062	3.656	3.000	3.734	3.000	3.828	3.000
57	3.828	3.312	3.844	3.250	3.812	3.188	3.781	3.125	3.859	3.125	3.953	3.125
59	3.953	3.438	3.969	3.375	3.938	3.312	3.906	3.250	3.984	3.250	4.078	3.250
61	4.078	3.562	4.094	3.500	4.062	3.438	4.031	3.375	4.109	3.375	4.203	3.375

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB**SH 7**

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB**SH 7**

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

TABLE II (CONTINUED) 9

SECOND DASH NO.	.5000-20		.5625-18		.6250-18		.7500-16		.8750-14		1.0000-14 4	
	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP
63	4.203	3.688	4.219	3.625	4.188	3.562	4.156	3.500	4.234	3.500	4.328	3.500
65	4.328	3.812	4.344	3.750	4.312	3.688	4.281	3.625	4.359	3.625	4.453	3.625
67	4.453	3.938	4.469	3.875	4.438	3.812	4.406	3.750	4.484	3.750	4.578	3.750
69	4.578	4.062	4.594	4.000	4.562	3.938	4.531	3.875	4.609	3.875	4.703	3.875
71	4.703	4.188	4.719	4.125	4.688	4.062	4.656	4.000	4.734	4.000	4.828	4.000
73	4.828	4.312	4.844	4.250	4.812	4.188	4.781	4.125	4.859	4.125	4.953	4.125
75	4.953	4.438	4.969	4.375	4.938	4.312	4.906	4.250	4.984	4.250	5.078	4.250
77	5.078	4.562	5.094	4.500	5.062	4.438	5.031	4.375	5.109	4.375	5.203	4.375
79	5.203	4.688	5.219	4.625	5.188	4.562	5.156	4.500	5.234	4.500	5.328	4.500
81	5.328	4.812	5.344	4.750	5.312	4.688	5.281	4.625	5.359	4.625	5.453	4.625
83	5.453	4.938	5.469	4.875	5.438	4.812	5.406	4.750	5.484	4.750	5.578	4.750
85	5.578	5.062	5.594	5.000	5.562	4.938	5.531	4.875	5.609	4.875	5.703	4.875
87	5.703	5.188	5.719	5.125	5.688	5.062	5.656	5.000	5.734	5.000	5.828	5.000
89	5.828	5.312	5.844	5.250	5.812	5.188	5.781	5.125	5.859	5.125	5.953	5.125
91	5.953	5.438	5.969	5.375	5.938	5.312	5.906	5.250	5.984	5.250	6.078	5.250
93	6.078	5.562	6.094	5.500	6.062	5.438	6.031	5.375	6.109	5.375	6.203	5.375
95	6.203	5.688	6.219	5.625	6.188	5.562	6.156	5.500	6.234	5.500	6.328	5.500
97	6.328	5.812	6.344	5.750	6.312	5.688	6.281	5.625	6.359	5.625	6.453	5.625
99	6.453	5.938	6.469	5.875	6.438	5.812	6.406	5.750	6.484	5.750	6.578	5.750
101	6.578	6.062	6.594	6.000	6.562	5.938	6.531	5.875	6.609	5.875	6.703	5.875
103	6.703	6.188	6.719	6.125	6.688	6.062	6.656	6.000	6.734	6.000	6.828	6.000
105	6.828	6.312	6.844	6.250	6.812	6.188	6.781	6.125	6.859	6.125	6.953	6.125
107	6.953	6.438	6.969	6.375	6.938	6.312	6.906	6.250	6.984	6.250	7.078	6.250
109	7.078	6.562	7.094	6.500	7.062	6.438	7.031	6.375	7.109	6.375	7.203	6.375
111	7.203	6.688	7.219	6.625	7.188	6.562	7.156	6.500	7.234	6.500	7.328	6.500
113	7.328	6.812	7.344	6.750	7.312	6.688	7.281	6.625	7.359	6.625	7.453	6.625
115	7.453	6.938	7.469	6.875	7.438	6.812	7.406	6.750	7.484	6.750	7.578	6.750
117	7.578	7.062	7.594	7.000	7.562	6.938	7.531	6.875	7.609	6.875	7.703	6.875
119	7.703	7.188	7.719	7.125	7.688	7.062	7.656	7.000	7.734	7.000	7.828	7.000
121	7.828	7.312	7.844	7.250	7.812	7.188	7.781	7.125	7.859	7.125	7.953	7.125

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 8

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 8

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

TABLE II (CONTINUED) 9

SECOND DASH NO.	.5000-20		.5625-18		.6250-18		.7500-16		.8750-14		1.0000-14 4	
	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP	LENGTH	GRIP
123	---	---	---	---	---	---	7.906	7.250	7.984	7.250	8.078	7.250
125	---	---	---	---	---	---	8.031	7.375	8.109	7.375	8.203	7.375
127	---	---	---	---	---	---	8.156	7.500	8.234	7.500	8.328	7.500
129	---	---	---	---	---	---	8.281	7.625	8.359	7.625	8.453	7.625
131	---	---	---	---	---	---	8.406	7.750	8.484	7.750	8.578	7.750

- 1 NOMINAL GRIP AND BOLT LENGTHS PER TABLE II. GRIP LENGTH OF BOLTS SHALL BE MEASURED FROM THE TOP OF THE HEAD TO THE END OF THE FULL CYLINDRICAL PORTION OF THE SHANK. COMPLETE THREADS SHALL BEGIN WITHIN TWO THREAD PITCH MAXIMUM. TWO THREAD PITCH MAXIMUM MAY CONSIST OF INCOMPLETE THREAD OR EXTRUSION ANGLE.
- 2 UNF-3A THREADS PER MIL-S-7742 (EXCEPT UNS-3A FOR SIZE 1.0000-14) EXCEPT MAXIMUM MAJOR DIAMETER SHALL BE AT LEAST .001 LESS THAN THE MINIMUM SHANK DIAMETER BUT NOT LESS THAN THE MINIMUM MAJOR DIAMETER. THREADS MAY BE CUT, GROUND OR ROLLED.
- 3 DIMENSIONS A, A', AND B ARE INCLUDED FOR ENGINEERING REFERENCE ONLY AND ARE NOT TO BE USED FOR INSPECTION. A, A', AND B ARE CALCULATED LIMITS RESULTING FROM TOLERANCES ON W, H, E, AND HEAD ANGLE
- 4 1.0000-14 THREAD SIZE IS INACTIVE FOR NEW DESIGN. SEE BACB30LU FOR SIMILAR BOLT WITH 1.0000-12 THREAD.
- 5 HEX SOCKET MUST BE SUFFICIENTLY FREE FROM BURRS TO PERMIT INSERTION OF APPROPRIATE HEX WRENCH TO DEPTH EQUAL TO MIN "K" DIMENSION.
- 6 END SHALL BE FLAT AND CHAMFERED. CHAMFER "U" PLUS INCOMPLETE THREAD SHALL NOT EXCEED 2 THREAD PITCHES.
- 7 "G" IS A NOMINAL VALUE ADDED TO THE NOMNAL GRIP LENGTH TO ESTABLISH THE HOLE LOCATION.
- 8 SEE CODING SECTION UNDER "USAGE AND APPLICATION" FOR COMPLETE BOEING PART NUMBER.
- 9 TABULATED DASH NUMBERS ARE IN .125 INCREMENTS. OTHER LENGTHS MAY BE OBTAINED BY USE OF INTERMEDIATE DASH NUMBERS.
- 10 INSPECT GAGE PROTRUSION "H" AT GAGE DIAMETER "W" PER D-11805.
- 11 DRILL "P" WITHIN .010 AND NOMINAL WITHIN 2 DEGREES OF BOLT CENTERLINE WHEN SPECIFIED BY PART NUMBER. COUNTERSINK OPTIONAL.

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB**SH 9**

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB**SH 9**

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

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FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

PROCUREMENT SPECIFICATION

NAS498 EXCEPT AS NOTED.

MATERIAL

ALLOY STEEL PER NAS498 EXCEPT 4037 STEEL PER SPEC MIL-S-8695 OR AMS6300
MAY BE USED FOR BOLTS .4375 DIAMETER AND SMALLER.

HEAT TREATMENT

160 TO 180 KSI PER MIL-H-6875.

SURFACE TEXTURE

PER ANSI/ASME B46.1. SHANK 63 Ra, CONIC SURFACE OF HEAD 125 Ra.

FINISH

CADMIUM PLATE ENTIRE BOLT PER QQ-P-416, TYPE II, CLASS 3.

MARKING

PLATED SHANK TYPE – BACB30ABP (PLUS FIRST DASH NUMBER) OR BACB30AB
(PLUS FIRST DASH NUMBER) P

UNPLATED SHANK TYPE – BACB30AB (PLUS FIRST DASH NUMBER)

FOR BOTH TYPES, "BAC" & "-3" MAY BE OMITTED ON .1900-32 SIZE. DIMPLE IN
TRIANGLE AND/OR MANUFACTURER'S TRADEMARK MAY BE INCLUDED IN HEAD
MARKING. MARKING DEPRESSED .010 MAX. ARRANGEMENT OPTIONAL.

PROCUREMENT

MAY BE PROCURED FROM ANY AVAILABLE SATISFACTORY SOURCE.

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 10

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 10

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.

FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK

USAGE AND APPLICATION INFORMATION

THESE BOLTS INTENDED FOR USE WITH SHEAR NUTS. FOR BOLTS TO BE USED WITH REGULAR NUTS, SEE NAS333 OR NAS583.

CODING

FIRST DASH NUMBER DESIGNATES NOMINAL DIAMETER IN .0625 INCREMENTS, AS SHOWN IN TABLE I.

NO CODE PRECEDING THE FIRST DASH NUMBER DESIGNATES AN UNPLATED BOLT.

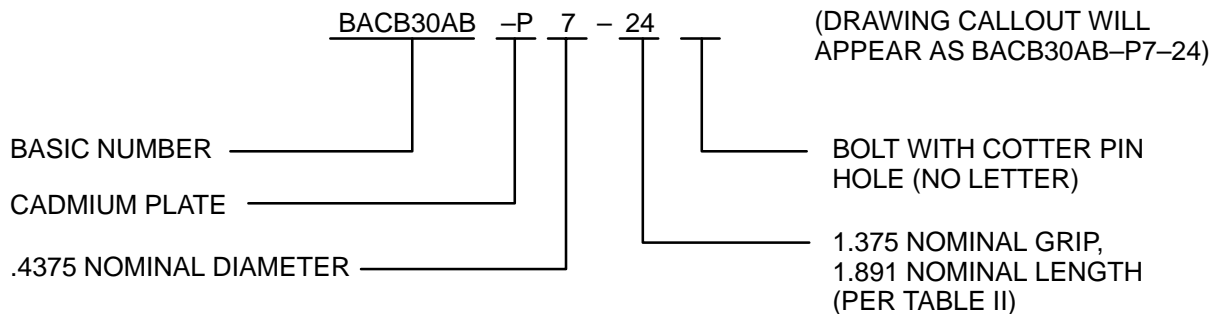
“-P” PRECEDING THE FIRST DASH NUMBER DESIGNATES A PLATED BOLT.

SECOND DASH NUMBER DESIGNATES NOMINAL GRIP LENGTH, AS SHOWN IN TABLE II.

LETTER “A” FOLLOWING THE SECOND DASH NUMBER DESIGNATES BOLT WITHOUT COTTER PIN HOLE.

NO LETTER FOLLOWING THE SECOND DASH NUMBER DESIGNATES BOLT WITH COTTER PIN HOLE.

EXAMPLE OF PART NUMBER



DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB

SH 11

**BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI**

BACB30AB

SH 11

**BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**

BOOK 23. DO NOT USE FOR NEW DESIGN.FOR STATUS OF INACTIVATION
SEE APPLICABILITY BLOCK**TABLE III**

OBSOLETE PART NUMBER	SUPERSEDING PART NUMBER *
BACB30AB-P(3,4,5)-(N)A	BACB30LU(3,4,5)-(N)
BACB30AB-P(3,4,5)-(N)	BACB30LU(3,4,5)D(N)
BACB30AB(3,4,5)-(N)A	BACB30LU(3,4,5)-(N)
BACB30AB(3,4,5)-(N)	BACB30LU(3,4,5)D(N)
BACB30AB-P(6,7)-(N)A	BACB30LU(6,7)-(N MINUS 2)
BACB30AB-P(6,7)-(N)	BACB30LU(6,7)D(N MINUS 2)
BACB30AB(6,7)-(N)A	BACB30LU(6,7)-(N MINUS 2)
BACB30AB(6,7)-(N)	BACB30LU(6,7)D(N MINUS 2)
BACB30AB-P8-(N)A	BACB30LU8-(N MINUS 4)
BACB30AB-P8-(N)	BACB30LU8D(N MINUS 4)
BACB30AB8-(N)A	BACB30LU8-(N MINUS 4)
BACB30AB8-(N)	BACB30LU8D(N MINUS 4)
BACB30AB-P9-(N)A	BACB30LU9-(N MINUS 5)
BACB30AB-P9-(N)	BACB30LU9D(N MINUS 5)
BACB30AB9-(N)A	BACB30LU9-(N MINUS 5)
BACB30AB9-(N)	BACB30LU9D(N MINUS 5)
BACB30AB-P10-(N)A	BACB30LU10-(N MINUS 6)
BACB30AB-P10-(N)	BACB30LU10D(N MINUS 6)
BACB30AB10-(N)A	BACB30LU10-(N MINUS 6)
BACB30AB10-(N)	BACB30LU10D(N MINUS 6)
BACB30AB-P(12,14,16)-(N)A	BACB30LU(12,14,16)-(N MINUS 7)
BACB30AB-P(12,14,16)-(N)	BACB30LU(12,14,16)D(N MINUS 7)
BACB30AB(12,14,16)-(N)A	BACB30LU(12,14,16)-(N MINUS 7)
BACB30AB(12,14,16)-(N)	BACB30LU(12,14,16)D(N MINUS 7)
* THE GRIP LENGTH NUMBERS (SECOND DASH NUMBERS) FOR BACB30LU CORRESPOND TO THE BACB30AB GRIP LENGTH NUMBERS FOR SIZES 3, 4 AND 5. FOR LARGER SIZES, THE APPROPRIATE BACB30LU GRIP LENGTH NUMBER MUST BE CALCULATED BY SUBTRACTING GRIP LENGTHS FROM THE SECOND BACB30AB DASH NUMBER, AS INDICATED ABOVE. THE SECOND BACB30AB DASH NUMBER IS INDICATED BY (N).	

SEE D-590 INDEX BOOK (PREFACE AND NOTICES) FOR SUPERSESSION CLASS DEFINITIONS AND SUPERSESSION LIST.

INACTIVATION APPLICABILITY**TBC -** BACB30AB IS INACTIVE FOR DESIGN AND PROCUREMENT. BACB30LU IS A CLASS II SUPERSESSION. SEE TABLE III FOR SUPERSEDING PART NUMBERS.

DATE 04-APR-1949 REV (AA) 29-AUG-1996

CAGE CODE 81205

BACB30AB**SH 12****BOLT,
100 DEG CSK HEAD (SHORT
THREAD) CLOSE TOLERANCE,
160,000 PSI****BACB30AB****SH 12****BOEING PART STANDARD
BOOK 23. DO NOT USE FOR NEW DESIGN.**