



BLIND BOLT ASSEMBLY		BB312 CORE BOLT									BB164 SLEEVE						BB415GA EXPANDER				SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION		
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	RECESS	A DIA.	D DIA.	H	P ₁	T (REF.)	THREAD	FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-1/4	B GRIP RANGE 1/4-1/2	B GRIP RANGE 1/2-3/4	B GRIP RANGE 3/4-1	D ₁ DIA.	H ₁	DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P	D ₁ DIA. (REF.)
-6	3/16	-6	Phillips #1	.2514 .2466	.1240 .1220	.053 .051	.239	.304	5-40NC-3A	-6	.315 .295	.250	.265	.330		.228 .231	.065 .055	-6	.194	.184	5-40NC-3B	⊙ .236 .232	10 14 IN. LBS.	.239	.260

BB312 CORE BOLT

GENERAL NOTES:

- Concentricity: Head to "D" diameter within .005 FIR.
- Complete threads shall begin within two thread pitches maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.
- "H" is dimensioned from maximum "D" diameter.

MATERIAL: A-286 alloy per AMS5731 or AMS5735.
HEAT TREAT: 95,000 psi shear minimum.
CODE: First dash number of core bolt indicates sleeve nominal diameter in 32nds. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.
EXAMPLE: BB312-6-12 = 3/16 nominal sleeve diameter, 3/4 mean assembly grip length.

BB164 SLEEVE

GENERAL NOTES:

- Concentricity: Hole to "D" diameter within .005 FIR. Head to "D₁" diameter within .010 FIR.

MATERIAL: A-286 alloy per AMS5731.
HEAT TREAT: Anneal per AMS5736.
CODE: First dash number indicates nominal diameter of sleeve in 32nds for which the BB164 is the 1/32nd oversized replacement. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.
EXAMPLE: BB164-6-12 = 3/16 nominal sleeve diameter, 3/4 mean assembly grip length.

BB415GA EXPANDER

GENERAL NOTES:

- Threads per MIL-S-8879.

MATERIAL: A-286 alloy per AMS5731 or AMS5735.
HEAT TREAT: 110,000 psi shear minimum.
FINISH: Silver plate per AMS2411, .0002-.0004 thick.
CODE: Dash number indicates nominal diameter of Blind Bolt Assembly in 32nds.
EXAMPLE: BB415GA-6 3/16 nominal diameter Blind Bolt Assembly.

BB392 BLIND BOLT ASSEMBLY

CODE: First dash number indicates nominal diameter of Blind Bolt Assembly in 32nds. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BB392-6-12

3/4 Mean Assembly Grip Length
 3/16 Nominal Diameter Blind Bolt Assembly
 Blind Bolt Assembly which includes:
 BB312 Core Bolt, BB164 Sleeve,
 and BB415GA Expander

U.S. Patent 2,959,999. Foreign patents issued.

TITLE			
BLIND BOLT™ ASSEMBLY			
PROTRUDING HEAD STYLE			
A-286 ALLOY			
DRAWN D. P. S.	DATE 7-27-78	APPROVED <i>AWC</i> 7/28/78	REVISION ①
		DATE 10-2-78	DRAWING NUMBER BB392

CODE IDENTIFICATION NO. 73197

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