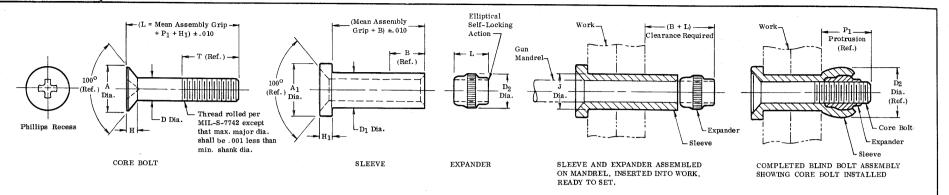
2600 SKYPARK DRIVE TORRANCE, CALIFORNIA 90509 AREA CODE 213 · 775-3181 · 326-8110



BLINE ASSI	BLIND BOLT ASSEMBLY		BB312 CORE BOLT									BB336 SLEEVE								GA EXI	PANDER	SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION	
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	RECESS	A DIA.	D DIA.	н	P ₁	T (REF)	THREAD	FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-3/4	B GRIP RANGE 13/16-11/16	B GRIP RANGE 11%-1%	B GRIP RANGE 111/15-21/4	D ₁ DIA.	Н1	DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P ₃	D ₃ DIA. (REF)
-5	5/32	-5	Phillips #1	.2274	.1120 .1100		.208	.274	4-40NC-3A	-5	.294 .274	. 210	. 225			. 169	.055	-5	. 167	. 153	4-40NC-3B	. 173	8 IN. LBS.	. 208	. 210
-6	3/16	-6	Phillips #1	. 2514 . 2466	. 1240 . 1220	.053 .051	. 239	.304	5-40NC-3A	-6	.315 .295	. 250	. 265	. 330		. 196 . 193	.065	-6	. 194	. 184	5-40NC-3B	. 201 . 197	10 14 IN. LBS.	. 239	. 253
-8	1/4	-8	Phillips #2	.3304 .3256	.1650 .1630		.316	. 397	8-32NC-3A	-8	.412 .387	. 315	. 330	. 370		. 257 . 254	.090	-8	. 255	. 245	8-32NC-3B	. 264 . 258	20 30 IN. LBS.	. 316	. 335
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BB312 CORE BOLT

① GENERAL NOTES: 1. Concentricity: Head to "D" diameter within .005 FIR.

2. Complete threads shall begin within two thread pitches maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.

3. "H" is dimensioned from maximum "D" diameter.

① 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.

BB336 SLEEVE

(i) GENERAL NOTES:

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

① MATERIAL: A-286 alloy per AMS 5731.

① HEAT TREAT: Anneal per AMS5736. CODE:

First dash number indicates nominal diameter of sleeve in 32nds. Second dash number indicates mean assembly grip

length (thickness of work) in 16ths.

EXAMPLE: BB336-6-12 = 3/16 nominal sleeve diameter, 3/4 mean assembly grip length.

BB415GA EXPANDER

GENERAL NOTES: 1. Threads per MIL-S-8879. @ MATERIAL: A-286 allow 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.

BB391 BOLT ASSEMBLY

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: <u>BB391-6-12</u>

3/4 Mean Assembly Grip Length -3/16 Nominal Diameter Blind Bolt Assembly

Blind Bolt Assembly which includes:

BB312 Core Bolt, BB336 Sleeve, and BB415GA Expander

U.S. Patents 2,789,619; 2,946,208; 2,959,999. Foreign patents granted and pending.

BLIND BOLT™ ASSEMBLY PROTRUDING HEAD STYLE A-286 ALLOY

(2) D. P. S. **BB391**