



BLIND BOLT ASSEMBLY		BB457 CORE BOLT								BB458 SLEEVE					BB455 EXPANDER				SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION	
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	A DIA.	D DIA.	H	P ₁	T (REF)	THREAD	FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-3/4	C	D ₁ DIA.	H ₁	DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P ₁	D ₂ DIA. (REF)
-5	5/32	-5	.2274 .2226	.1120 .1100	.048 .046	.208	.274	4-40UNC-3A	-5	.294 .274	.210	.120 .100	.169 .166	.055 .045	-5	.167	.153	4-40UNC-3B	.173 .170	8 10 IN. LBS.	.208	.210

BB457 CORE BOLT

- NOTES: 1. Concentricity: Head to "D" diameter within .005 TIR.
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.

MATERIAL: Type INCO 718 stainless steel per AMS5662.

HEAT TREAT: 120,000 psi shear minimum.

CODE: First dash number of core bolt indicates sleeve nominal diameter in 32nds.
Second dash number indicates grip length (thickness of work) in 16ths.

EXAMPLE: BB457-5-12 = 4-40 Core Bolt for 5/32 nominal diameter sleeve, 3/4 grip length.

BB458 SLEEVE

- NOTE: 1. Concentricity: Hole to "D" diameter within .005 TIR.
"D₁" diameter to head within .010 TIR.

MATERIAL: Type INCO 625 stainless steel per AMS5666.

FINISH: Sandblast.

CODE: First dash number indicates nominal diameter of sleeve in 32nds. Second dash number indicates grip length (thickness of work) in 16ths.

EXAMPLE: BB458-5-12 = 5/32 nominal diameter sleeve, 3/4 grip length.

BB455 EXPANDER

- NOTE: 1. Threads per MIL-S-7742.

MATERIAL: Type INCO 718 stainless steel per AMS5662.

HEAT TREAT: 120,000 psi shear minimum.

FINISH: Silver plate per AMS2410C.

CODE: Dash number indicates nominal diameter of Blind Bolt Assembly in 32nds.

EXAMPLE: BB455-5 = 4-40 Expander for use with 5/32 nominal diameter Blind Bolt Assembly.

BB456 BOLT ASSEMBLY

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

EXAMPLE: BB456-5-12
 3/4 Grip Length
 5/32 Nominal Diameter
 Blind Bolt Assembly which includes:
 BB457 Core Bolt, BB458 Sleeve, and
 BB455 Expander

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

TITLE M.A. BLIND BOLT ASSEMBLY PROTRUDING HEAD BOLT RETAINING STYLE				
DRAWN	DATE	APPROVED	DATE	REVISION
AB	8-14-72	Linman	8-14-72	
DRAWING NUMBER				BB456