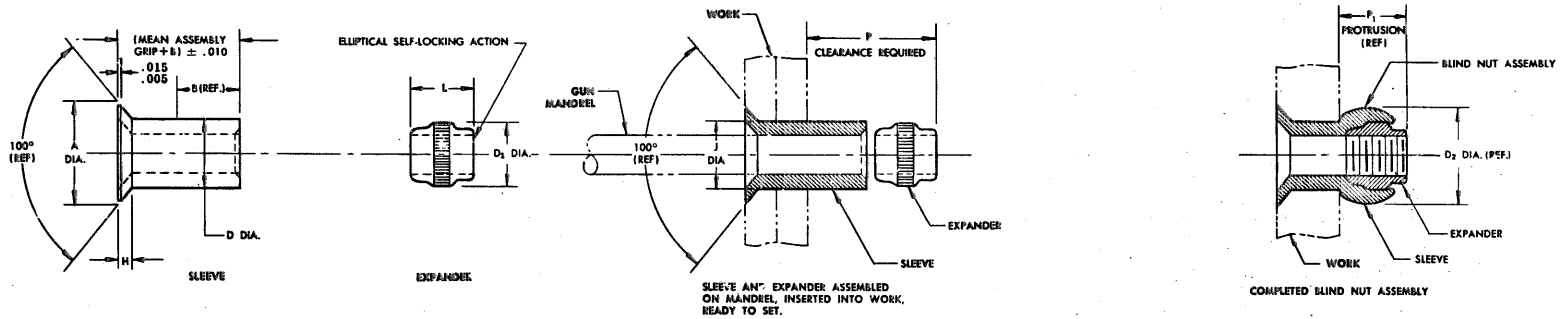
LISI AEROSPACE – Please refer to Central Documentation Website to check validity

hi-shear CORPORATION
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509
AREA CODE 213 • 775-3181 • 326-8110



BN163 BLIND NUT ASSEMBLY		BN133 SLEEVE								BB341 EXPANDER				HOLE PREPARATION						PROTRUSION AFTER INSTALLATION	
FIRST DASH NUMBER		FIRST DASH NUMBER	A	b GRIP RANGE 0-¾				D	H	PART NUMBER	D_2	L	THREAD	J HOLE DIA.				P		P_1	D_2
-1032		-1032	.5146 .5098	.380				.312 .309	.085 .083	BB341-1032	309	.307	10-32 NC-3B	.319 .313				.697		.350	.410

GENERAL NOTES

BN133 SLEEVE

1. **CONCENTRICITY:** Hole to "D" diameter within .005 TIR; "D" diameter to head within .005 TIR.
2. "H" is dimensioned from maximum "D" diameter.

CODE: First dash number indicates size of bolt to be used. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BN133-1032-4 = Sleeve for 1032 bolt; 1/4 mean assembly grip length.

BB341 EXPANDER

1. Threads per MIL-S-7742

CODE: Dash number indicates expander used in assembly.

EXAMPLE: BB341-1032 = Expander for 10-32 bolt.

BN163 BLIND NUT ASSEMBLY

CODE: First dash number indicates size of bolt to be used. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BN163-1032-4
- 1/4 mean assembly grip length
- For 1032 bolt.
- Blind Nut Assembly which includes: BN133 Sleeve and BB341 Expander.

U.S. PATENT 2,959,999. FOREIGN PATENTS ISSUED AND PENDING.
*Trademark.

	BN133 SLEEVE	BB341 EXPANDER
MATERIAL	2117 Aluminum Alloy per Spec. MIL-W-7986.	Type 431 stainless steel per MIL-S-853, class 10.
HEAT TREAT	Heat Treat to T4 Condition per Spec. MIL-H-6088.	125,000 psi shear minimum.
FINISH	Anodize per Spec. MIL-A-8625.	Cadmium plate per QQ-P-416, Type I, Class 3

TITLE: BLIND NUT* ASSEMBLY
100° COUNTERSUNK SPECIAL HEAD STYLE

DRAWN	DATE	APPROVED	DATE	REVISION	DATE	DRAWING NUMBER
D.G.P.	6-13-61	MMd	6-15-61			BN163

BN163