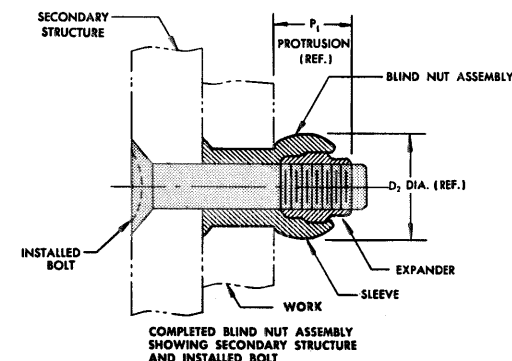
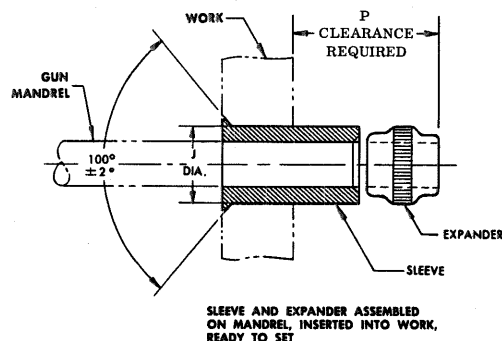
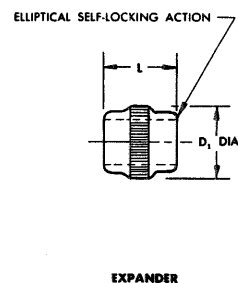
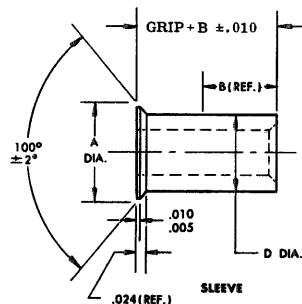


hi-shear
CORPORATION

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



BLIND NUT ASSEMBLY		BN330 SLEEVE							BB346 EXPANDER				HOLE PREPARATION		PROTRUSION AFTER INSTALLATION		
FIRST DASH NUMBER		FIRST DASH NUMBER	A DIA.	B GRIP RANGE 0-1/8	B GRIP RANGE 1/8-1/16	B GRIP RANGE 1/16-1/8	D DIA.		PART NUMBER	D1 DIA.	L	THREAD	J HOLE DIA.	P	D2 DIA.	P1	
-1032			.372				.312		BB346-1032			10-32UNJF-3B	.319				
-1024		-1032	.367	.380	.420	.460	.309		BB346-1024	.309	.307	10-24UNJC-3B	.313	B + .317	.410	.350	
-428			.450				.390		BB346-12			1/4-28UNJF-3B	.397				
-420		-428	.445	.450	.450	.450	.387		BB346-420	.383	.368	1/4-20UNJC-3B	.391	B + .378	.510	.420	
-524			.528				.468		BB346-14			5/16-24UNJF-3B	.477				
-518		-524	.523	.500	.500	.500	.465		BB346-518	.458	.429	5/16-18UNJC-3B	.469	B + .439	.600	.470	
-624			.590				.530		BB346-16			3/8-24UNJF-3B	.539				
-616		-624	.585	.550	.550	.550	.527		BB346-616	.521	.491	3/8-16UNJC-3B	.531	B + .501	.662	.530	
-720			.652				.592		BB346-720			7/16-20UNJF-3B	.605				
-714		-720	.647	.600	.600	.600	.589		BB346-714	.585	.552	7/16-14UNJC-3B	.593	B + .562	.720	.592	
-820			.714				.654		BB346-820			1/2-20UNJF-3B	.664				
-813		-820	.709	.650	.650	.650	.651		BB346-813	.643	.614	1/2-13UNJC-3B	.656	B + .624	.785	.650	

BN330 SLEEVE

- NOTES: 1. Concentricity: Hole to "D" diameter within .005 FIR.
"D" diameter to head within .005 FIR.
2. "H" is dimensioned from maximum "D" diameter.

MATERIAL: Type 305 stainless steel per QQ-S-763.

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

EXAMPLE: BN330-624-12 = Sleeve for 3/8-24 or 3/8-16 bolt, 3/4 grip length.

BB346 EXPANDER

NOTE: Threads per MIL-S-7742.

MATERIAL: Type 17-4PH stainless steel per AMS 5643.

HEAT TREAT: 120,000 psi shear minimum.

FINISH: Cadmium plate per QQ-P-416, Type I, Class 2.

CODE: Dash number indicates expander used in assembly.

EXAMPLE: BB346-16 = Expander for 3/8-24 bolt.

BN389 BLIND NUT ASSEMBLY

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

EXAMPLE: BN389-624-12
└─ 3/4 Grip Length
└─ For 3/8-24 Bolt
└─ Blind Nut Assembly which includes:
 BN330 Sleeve and BB346 Expander

"Blind Nut" is a trademark of Hi-Shear Corporation.

TITLE					
BLIND NUT ASSEMBLY					
100° COUNTERSUNK SHALLOW HEAD					
DRAWN	DATE	APPROVED	DATE	REVISION	DRAWING NUMBER
BRLEY	6-19-63	J.F.	6-19-63	6	BN389

CODE IDENTIFICATION NO. 73197

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BN389