



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	.380	.420	.460	.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	.450	.450	.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	.500	.500	.500	.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	.550	.550	.550	.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	.600	.600	.600	.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	.650	.650	.650	.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	DATE	DRAWING NUMBER
BRLEW	6-19-63	9-7-63	6	11-7-86	BN389