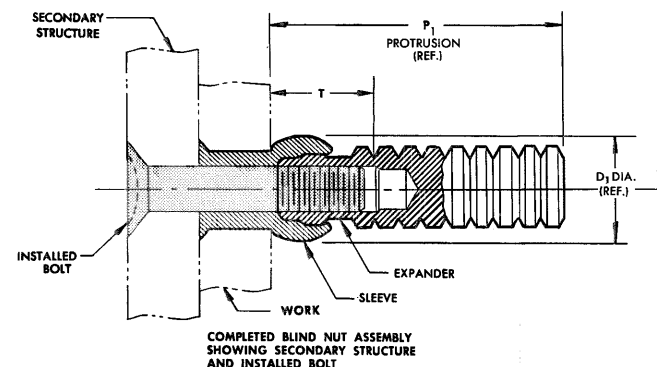
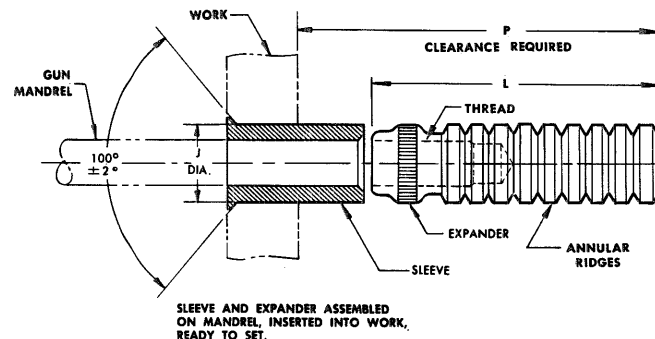
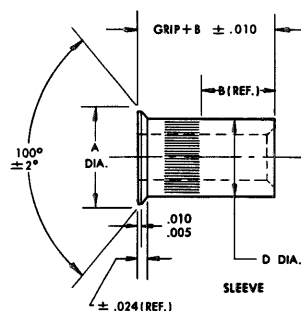


hi-shear
CORPORATION

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



BN528 BLIND NUT ASSEMBLY		BN517 SLEEVE						BB410 EXPANDER			HOLE PREPARATION		PROTRUSION AFTER INSTALLATION		T MAX. THREA DEPTH
FIRST DASH NO.	FIRST DASH NO.	A DIA.	B GRIP RANGE 0 - 3/4	B GRIP RANGE 13/16 - 1-1/16	B GRIP RANGE 1-1/8 - 1-5/8	D DIA.	PART NO.	L	THREAD	J HOLE DIA.	P	P ₁	D ₁ DIA.		
-1032	-1032	.372 .367	.380	.420	.460	.312 .309	BB410-1032-8	.770	1032-UNJF-3B	.319 .313	"B" + .780	.800	.410	.38	
-428	-428	.450 .445	.450	.450	.450	.390 .387	BB410-12-31	1.870	1/4-28UNJF-3B	.397 .391	2.330	1-15/16"	.510	.50	
-428	-428	.450 .445	.450	.450	.450	.390 .387	BB410-12-24	1.430	1/4-28UNJF-3B	.397 .391	1.890	1-1/2"	.510	.50	
-524	-524	.528 .523	.500	.500	.500	.468 .465	BB410-14-31	1.870	5/16-24UNJF-3B	.477 .469	2.380	1-15/16"	.600	.56	
-524	-524	.528 .523	.500	.500	.500	.468 .465	BB410-14-24	1.430	5/16-24UNJF-3B	.477 .469	1.940	1-1/2"	.600	.56	

BN517 SLEEVE

GENERAL NOTES: 1. Concentricity: Hole to "D" diameter within .005 FIR;
"D" diameter to head within .005 FIR.

① MATERIAL: Aluminum 2017 per QQ-A-430.

HEAT TREAT: Anneal.

① FINISH: Anodize (clear).

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

EXAMPLE: BN517-428-1 = Sleeve for 1/4-28 bolt, 1/16" grip length.

BB410 EXPANDER

① GENERAL NOTES: 1. Threads per MIL-S-8879.

MATERIAL: Type 303 stainless steel.

FINISH: Passivate.

CODE: First dash number indicates expander to be used with required attaching bolt.
Second dash number indicates expander length "L" required for P1 dimension.

EXAMPLE: BB410-12-31 = Expander for 1/4-28 bolt with P1 dimension 1-15/16".

BN528 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. Third dash number indicates protrusion P1 after installation.

EXAMPLE: BN528-428-1-31
P1 Dimension 1-15/16"
1/16" Grip Length
For 1/4-28 Bolt
Blind Nut Assembly which includes:
BN517 Sleeve and BB410 Expander

U.S. Patent 2,959,999. Foreign patents issued.

TITLE					
BLIND NUT™ ASSEMBLY					
100° COUNTERSUNK SHALLOW HEAD					
INSERT TYPE					
DRAWN	DATE	APPROVED	DATE	REVISION	DRAWING NUMBER
G. E. R.	11-17-65	R. Tringham		③	P. P. S. 6-18-81

CODE IDENTIFICATION NO. 73197

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BN528