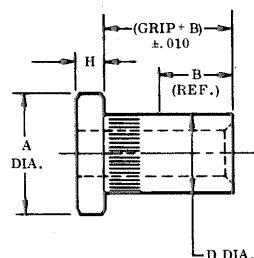


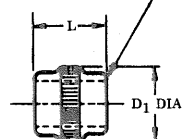
hi-shear
CORPORATION

2800 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509
AREA CODE 213 • 775-3181 • 326-8110

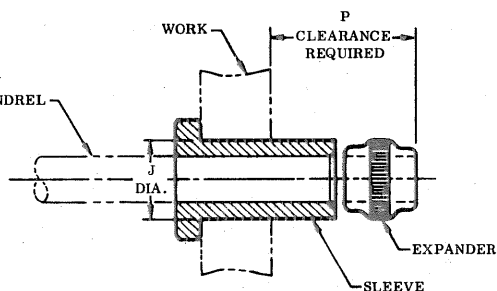


SLEEVE

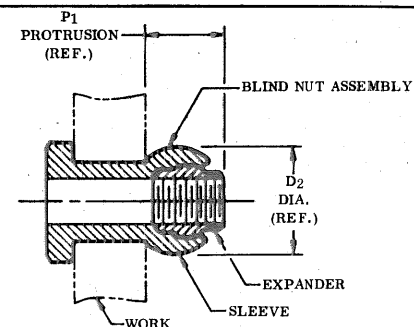
ELLIPTICAL SELF-LOCKING ACTION



EXPANDER



SLEEVE AND EXPANDER ASSEMBLED
ON MANDREL, INSERTED INTO WORK,
READY TO SET



COMPLETED BLIND NUT ASSEMBLY

BN540 BLIND NUT ASSEMBLY		BN541 SLEEVE							BB341 EXPANDER				HOLE PREPARATION			PROTRUSION AFTER INSTALLATION		
FIRST DASH NUMBER		FIRST DASH NUMBER	A DIA.	B GRIP RANGE 0-1/4"	B GRIP RANGE 1/4-1/2"	B GRIP RANGE 1/2-1 1/4"	D DIA.	H	PART NUMBER	D1 DIA.	L	THREAD	J HOLE DIA.	P		D2 DIA.	P1	
-440		-440	.294 .274	.210			.169 .167	.055 .045	BB341-5	.167	.153	4-40UNJC-3B	.173 .170	.373		.210	.175	
-632		-632	.315 .295	.280			.218 .216	.065 .055	BB341-632	.217	.215	6-32UNJC-3B	.222 .219	.505		.285	.260	
-832		-832	.412 .387	.315	.330		.257 .255	.090 .080	BB341-8	.255	.245	8-32UNJC-3B	.264 .258	.570		.335	.290	
-1020		-1032	.505 .475	.380	.420	.460	.312 .309	.110 .100	BB341-1020 BB341-1032	.309	.307	10-20UNJC-3B 10-32UNJF-3B	.319 .313	.697		.410	.350	
-420		-428	.615 .580	.450	.450	.450	.390 .387	.155 .145	BB341-420 BB341-12	.383	.368	1/4-20UNJC-3B 1/4-28UNJF-3B	.397 .391	.828		.510	.420	
-518		-524	.803 .768	.500	.500	.500	.468 .465	.160 .150	BB341-518 BB341-14	.458	.429	5/16-18UNJC-3B 5/16-24UNJF-3B	.477 .469	.939		.600	.470	
-616		-624	.896 .861	.550	.550	.550	.530 .527	.185 .175	BB341-616 BB341-16	.521	.491	3/8-16UNJC-3B 3/8-24UNJF-3B	.539 .531	1.050		.662	.530	

BN541 SLEEVE

BB341 EXPANDER

BN540 BLIND NUT ASSEMBLY

NOTE: Concentricity: Hole to "D" diameter within .005 TIR;
head to "D" diameter within .010 TIR.

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

FINISH: BN541 = Passivate.
BN541PB = Cadmium plate per QQ-P-416, Type II,
Class 3.

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

EXAMPLE: BN541-428-12 = Sleeve for 1/4-28 bolt, 3/4 grip length.

NOTE: Threads per MIL-S-8879.

MATERIAL: Type 431 stainless steel per Spec. QQ-S-763.

HEAT TREAT: 125,000 psi shear minimum.

FINISH: BB341 = Cadmium plate per QQ-P-416, Type I, Class 3.
BB341PB = Cadmium plate per QQ-P-416, Type II, Class 3.

CODE: Dash number indicates expander used in assembly.

EXAMPLE: BB341-12 = Expander for 1/4-28 bolt.

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

EXAMPLE: BN540-428-12
└─ 3/4 Grip Length
└─ For 1/4-28 Bolt
└─ Blind Nut Assembly which includes:
BN541 Sleeve and BB341 Expander

BN540PB-428-12 = As above except with BN541PB
Sleeve and BB341PB Expander.

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

TITLE					
BLIND NUT ASSEMBLY-SERRATED					
PROTRUDING HEAD STYLE					
DRAWN	DATE	APPROVED	DATE	REVISION	DRAWING NUMBER
11-17-67	11-17-67	4	D. P. S.	9-28-72	BN540

CODE IDENTIFICATION NO. 73197

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BN540