



BN141 BLIND NUT ASSEMBLY		BN330 SLEEVE					TEFLON RING	BB144 EXPANDER				HOLE PREPARATION		PROTRUSION AFTER INSTALLATION	
FIRST DASH NUMBER	FIRST DASH NUMBER	A DIA.	B GRIP RANGE 0-3/8	B GRIP RANGE 3/8-1 1/4	B GRIP RANGE 1 1/4-1 3/4	D DIA.	PART NUMBER	PART NUMBER	D1 DIA.	L	THREAD	T (REF)	J HOLE DIA.	D2 DIA.	P
-632	-632	.278 .273	.280			.218 .216	425019-6	BB144-632	.217	.610	6-32UNJC-3B	.39	.222 .219	.285	.655
-832	-832	.317 .312	.315	.330		.257 .255	425019-8	BB144-832	.255	.650	8-32UNJC-3B	.43	.264 .258	.335	.695
-1024	-1032	.372 .367	.380	.420	.460	.312 .309	425019-10	BB144-1024	.309	.830	10-24UNJC-3B	.47	.319 .313	.410	.870
-1032	-1032	.372 .367	.380	.420	.460	.312 .309		BB144-1032	.309	.710	10-32UNJF-3B	.47	.319 .313	.410	.750
-420	-428	.450 .445	.450	.450	.450	.390 .387	425019-12	BB144-420	.383	.980	1/4-20UNJC-3B	.61	.397 .391	.510	1.030
-428	-428	.450 .445	.450	.450	.450	.390 .387		BB144-12	.383	.950	1/4-28UNJF-3B	.61	.397 .391	.510	1.000
-518	-524	.528 .523	.500	.500	.500	.468 .465	425019-14	BB144-518	.458	1.100	5/16-16UNJC-3B	.68	.477 .469	.600	1.140
-524	-524	.528 .523	.500	.500	.500	.468 .465		BB144-14	.458	1.010	5/16-24UNJF-3B	.68	.477 .469	.600	1.050
-616	-624	.590 .585	.550	.550	.550	.530 .527	425019-16	BB144-616	.521	1.170	3/8-16UNJC-3B	.73	.539 .531	.662	1.210
-624	-624	.590 .585	.550	.550	.550	.530 .527		BB144-16	.521	1.070	3/8-24UNJF-3B	.73	.539 .531	.662	1.110

**BN330 SLEEVE**

NOTE: 1. Concentricity: Hole to "D" diameter within .005 TIR.  
"D" diameter to head within .005 TIR.

① 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 bolt, 3/4 grip length.

**BB144 EXPANDER**

NOTE: 1. Threads per MIL-S-8879.

MATERIAL: Type 431 stainless steel per Spec. AMS5628.

HEAT TREAT: 125,000 psi shear minimum.

FINISH: Cadmium plate per QQ-P-416, Type I, Class 3, and cetyl alcohol tube per HI-Shear Spec. 305.

CODE: Dash number indicates expander used in assembly.  
Letters "LK" after part number indicate expander with locking feature.

EXAMPLE: BB144-16 = Expander for 3/8-24 bolt.  
BB144LK-16 = Expander with locking feature for 3/8-24 bolt.  
BB144-616 = Expander for 3/8-16 bolt.

**BN141 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: BN141-624-12  
└─ 3/4 Grip Length  
└─ For 3/8-24 Bolt  
└─ Blind Nut Assembly which includes:  
    BN330 Sleeve and BB144 Expander  
BN141LK-624-12 = As above except with locking type expander.

TITLE					
BLIND NUT™ ASSEMBLY					
100° COUNTERSUNK SHALLOW HEAD SEALING TYPE DOME END					
DRAWN	DATE	APPROVAL	DATE	REVISION	DRAWING NUMBER
Shrade	10-26-78	D. P. S.	8-20-91	①	BN141