



BLIND BOLT ASSEMBLY			BB305 CORE BOLT										BB333 SLEEVE										BB341 EXPANDER				SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION		
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	RECESS	A DIA.	D DIA.	H	C	T (REF)	THREAD	O-RING DATA			FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-3/4	B GRIP RANGE 1 1/4-1 1/2	B GRIP RANGE 1 1/2-1 3/4	C ₁	D ₁ DIA.	H ₁	O-RING DATA			DASH NUMBER	D ₁ DIA.	L (LENGTH)	THREAD	HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P	D ₃
										I.D.	W	PART NUMBER									I.D.	W	PART NUMBER								
-8	1/4	-8	Phillips #2	.3304 .3256	.1650 .1630	.069 .067	.0340 .0320	.397	8-32UNJC-3A	.151 .141	.027 .023	425005-5	-8	.5066 .5018	.315	.330	.370	.0695 .0675	.257 .254	.105 .103	.244 .234	.027 .023	425005-8	-8	.255	.245	8-32UNJC-3B	.264 .258	20 30 IN. LBS.	.316	.335
-10	5/16	-10	Hi-Torque #3	.4454 .4406	.2180 .2160	.095 .093	.0592 .0572	.498	12-28UNJF-3A	.215 .205	.027 .023	425007-6	-10	.6335 .6287	.380	.400	.420	.0800 .0780	.338 .335	.124 .122	.306 .296	.037 .033	425005-10	-10	.328	.307	12-28UNJF-3B	.345 .339	50 80 IN. LBS.	.414	.438
-12	3/8	-12	Hi-Torque #4	.5066 .5018	.2490 .2470	.108 .106	.0723 .0703	.567	1/4-28UNJF-3A	.244 .234	.027 .023	425005-8	-12	.7604 .7556	.450	.450	.450	.1112 .1092	.390 .387	.155 .153	.369 .359	.037 .033	425005-12	-12	.383	.368	1/4-28UNJF-3B	.397 .391	125 150 IN. LBS.	.485	.510

BB305 CORE BOLT

- GENERAL NOTES:**
1. Concentricity: Head to "D" diameter within .005 TIR.
 2. Complete threads shall begin within two thread pitches maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.
 3. "H" is dimensioned from maximum "D" diameter.
 4. O-ring is assembled onto core bolt.
 5. See BB363 Bolt Assembly for shortest grip length available.

MATERIAL: Type 431 stainless steel per Spec. QQ-S-763.
O-ring: Synthetic rubber per Spec. MIL-R-6855, Grade 60, Class I, II and III (combined).

HEAT TREAT: 125,000 psi shear minimum.

CODE: First dash number of core bolt indicates sleeve nominal diameter in 32nds. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BB305-8-12 = 8-32 Core Bolt for 1/4 nominal diameter sleeve, 3/4 mean assembly grip length.

BB333 SLEEVE

- GENERAL NOTES:**
1. Concentricity: Hole to "D₁" diameter within .005 TIR. "D₁" diameter to head within .005 TIR.
 2. "H₁" is dimensioned from maximum "D₁" diameter.
 3. O-ring is assembled onto sleeve.
 4. See BB363 Bolt Assembly for shortest grip length available.

MATERIAL: Type 305 stainless steel per QQ-S-763.
O-ring: Synthetic rubber per Spec. MIL-R-6855, Grade 60, Class I, II and III (combined).

CODE: First dash number indicates nominal diameter of sleeve in 32nds. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BB333-8-12 = 1/4 nominal diameter sleeve, 3/4 mean assembly grip length.

BB341 EXPANDER

- GENERAL NOTES:**
1. Threads per MIL-S-8879.
- MATERIAL:** Type 431 stainless steel per Spec. QQ-S-763.
HEAT TREAT: 125,000 psi shear minimum.
FINISH: Cadmium plate per QQ-P-416, Type I, Class 3.
CODE: Dash number indicates diameter of Blind Bolt Assembly in 32nds.
EXAMPLE: BB341-8 = 8-32 Expander for 1/4 nominal diameter Blind Bolt Assembly.

BB363 BOLT ASSEMBLY

CODE: First dash number indicates nominal diameter of Blind Bolt Assembly in 32nds. Second dash number indicates mean assembly grip length (thickness of work) in 16ths.

EXAMPLE: BB363-8-12

Shortest grip lengths available are: BB363-8-3
-10-3
-12-4

TITLE						
BLIND BOLT™ ASSEMBLY						
SEALING TYPE 100° COUNTERSUNK AN509 HEAD STYLE HI-TORQUE AND PHILLIPS RECESSES						
DRAWN	DATE	APPROVED	DATE	REVISION	DATE	DRAWING NUMBER
BR/LEU	5-20-83	J.K.	5-20-83	2	D. P. S. 10-27-82	BB363