



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 3/4-1 1/2	C ₁	D ₁ DIA.	H ₁	O-RING DATA			DASH NUMBER	D ₂ 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	① 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:

- Concentricity: Head to "D" diameter within .005 TIR.
- Complete threads shall begin within two thread pitches maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.
- "H" is dimensioned from maximum "D" diameter.
- O-ring is assembled onto core bolt.
- 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:

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:

- Concentricity: Hole to "D1" diameter within .005 TIR. "D1" diameter to head within .005 TIR.
- "H1" is dimensioned from maximum "D1" diameter.
- O-ring is assembled onto sleeve.
- 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:

- Threads per MIL-S-8879.
- 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
3/4 Mean Assembly Grip Length
1/4 Nominal Diameter Blind Bolt Assembly
Blind Bolt Assembly which includes:
BB305 Core Bolt, BB333 Sleeve, and
BB341 Expander

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
BRLEU	5-20-63	J.K.	5-20-63	②	D. P. S. 10-27-82	BB363