



BLIND BOLT ASSEMBLY		BB305 CORE BOLT											BB433 SLEEVE								BB341 EXPANDER				SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION				
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	RECESS	A DIA.	D DIA.	H	H	P ₁	T (REF)	THREAD	O-RING DATA			FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-3/4	B GRIP RANGE 1 1/16-1 1/8	B GRIP RANGE 1 3/8-1 1/2	D ₁ DIA.	H ₁	O-RING DATA			DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P ₁	D ₂ DIA. (REF)
											I.D.	W	PART NUMBER								I.D.	W	PART NUMBER								
-8	1/4	-8	Phillips #2	.3304 .3256	.1650 .1630	.069 .067	.0340 .0320	.316	.397	8-32NC-3A	.151 .141	.027 .023	425005-5	-8	.4732 .4682	.315	.330	.370	.257 .254	.094 .089	.244 .234	.027 .023	425005-8	-8	.255	.245	8-32NC-3B	.264 .258	20 30 IN. LBS.	.316	.335
-10	5/16	-10	Hi-Torque #3	.4454 .4406	.2180 .2160	.095 .093	.0592 .0572	.414	.498	12-28NF-3A	.215 .205	.027 .023	425007-6	-10	.5619 .5569	.380	.400	.420	.338 .335	.098 .093	.306 .296	.037 .033	425005-10	-10	.328	.307	12-28NF-3B	.345 .339	50 80 IN. LBS.	.414	.438

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 BB432 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.

BB433 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 BB432 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: BB433-8-12 = 1/4 nominal diameter sleeve, 3/4 mean assembly grip length.

BB341 EXPANDER

- GENERAL NOTES:**
- Threads per MIL-S-7742.
- 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.

BB432 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: BB432-8-12
 8-12 = 3/4 Mean Assembly Grip Length
 8 = 1/4 Nominal Diameter Blind Bolt Assembly

Blind Bolt Assembly which includes:
BB305 Core Bolt, BB433 Sleeve, and BB341 Expander

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

TITLE						
BLIND BOLT™ ASSEMBLY						
SEALING TYPE 100° COUNTERSUNK MS20426 HEAD STYLE						
HI-TORQUE AND PHILLIPS RECESSES						
DRAWN	DATE	APPROVED	DATE	REVISION	DATE	DRAWING NUMBER
Shrode	2-25-77	<i>[Signature]</i>	2-26-77	②	D. P. S.	BB432
					10-27-82	