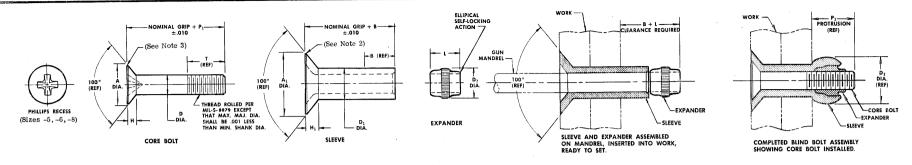
2600 SKYPARK DRIVE TORRANCE, CALIFORNIA 90509 AREA CODE 213 · 775-3181 · 326-8110



BLIND	BOLT				BB301	CORE	BOLT			BB501 SLEEVE								BB341 EXPANDER				SUGGESTED HOLE PREPARATION		PROTRUSION AFTER INSTALLATION	
FIRST DASH NUMBER	NOMINAL DIAMETER	FIRST DASH NUMBER	RECESS	A DIA.	D DIA.	н	P ₁	T (REF)	THREAD	FIRST DASH NUMBER	A ₁ DIA.	B GRIP RANGE 0-3/4	B GRIP RANGE ¹³ / ₁₆ -1 ¹ / ₁₆			D ₁ DIA.	Н1	DASH NUMBER	D ₂ DIÂ.	L (LENGTH)	THREAD	HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P ₁	D ₃ DIA. (REF)
-5	5/32	-5	Phillips #1	. 2274 . 2226	.1120	.048	.208	. 274	4-40UNJC-3A	5	. 2844	. 210	. 225			.169 .166	.0488 .0467	-5	. 167	. 153	4-40UNJC-3B	.173	8 IN. LBS.	. 208	. 210
-6	3/16	-6	Phillips #1	. 2514	.1240	.053	.239	.304	5-40UNJC-3A	-6	. 3536 . 3486	. 250	. 265			.196 .193	.066	-6	. 194	.184	5-40UNJC-3B	.201 .197	10 IN. LBS.	. 239	. 253
-8	1/4	-8	Phillips #2	.3304	. 1650 . 1630	.069	.316	.397	8-32UNJC-3A	-8	.4732 .4682	.315	.330			. 257 . 254	.094	-8	. 255	. 245	8-32UNJC-3B	. 264 . 258	²⁰ IN. LBS.	. 316	. 335
-10	5/16	-10	Hi- Torque #3	. 4454 . 4406	.2180 .2160	.095	.414	.498	12-28UNJF-3A	-10	.5619 .5569	.380	.400			.338	.098	-10	. 328	.307	12-28UNJF-3B	.345 .339	50 IN. LBS.	. 414	.438
					-												<u></u>								
											-														

BB301 CORE BOLT

GENERAL NOTES: 1. Concentricity: Head to "D" diameter within .005 FIR. Complete threads shall begin within two thread pitches 2.

maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.

3. Curved or flat edge manufacturer's option.

HEAT TREAT:

MATERIAL: Type 431 corrosion-resisting steel per Spec. AMS5628. 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: BB301-5-12 = 4-40 core bolt for 5/32 nominal diameter sleeve, 3/4 mean assembly grip length.

BB501 SLEEVE

GENERAL NOTES: 1. Concentricity: Hole to "D1" diameter within .005 FIR. Head to "D1" diameter within .005 FIR.

2. Curved or flat edge manufacturer's option. Type 305 corrosion-resisting steel per QQ-S-763.

MATERIAL: HEAT TREAT: Annealed.

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: BB501-5-12 = Sleeve, 5/32 nominal diameter, 3/4 mean

assembly grip length.

BB341 EXPANDER

GENERAL NOTES: Threads per MIL-S-8879.

MATERIAL: Type 431 corrosion-resisting steel per Spec. AMS5628.

HEAT TREAT: 125,000 psi shear minimum. FINISH: Cadmium plate per QQ-P-416, Type I, Class 2, and

cetyl alcohol lube.

Dash number indicates diameter of Blind Bolt Assembly

CODE: in 32nds.

EXAMPLE: BB341-5 = 4-40 expander for 5/32 nominal diameter

Blind Bolt assembly.

BB382 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: BB382-5-12

__ 3/4 Mean Assembly Grip Length

- 5/32 Nominal Diameter Blind Bolt Assembly Blind Bolt Assembly which includes:

BB301 Core Bolt, BB501 Sleeve, and BB341

Expander

(3) Editorially Updated

U.S. Patent 2,959,999. Foreign patents issued. Hi-Torque® trademark.

TITLE

BLIND BOLT™ ASSEMBLY

100° COUNTERSUNK AN426 HEAD STYLE

DATE APPROVED DATE REVISION DATE DRAWING NUMBER R.K.L. 4-4-61 MMS

BB382 3 12-13-74

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