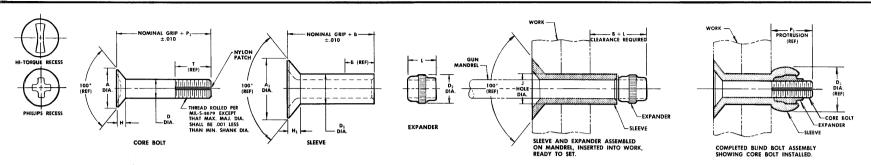
2600 SKYPARK DRIVE TORRANCE, CALIFORNIA 90509 AREA CODE 213 · 775-3181 · 326-8110



BLIND BOLT ASSEMBLY		BB461 CORE BOLT							BB435 SLEEVE						BB459 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	A1 DIA.	B GRIP RANGE 0-3/4	B GRIP RANGE 13/16-11/16			D ₁ DIA.	H ₁	DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P ₁	D _S DIA. (REF)
-5	5/32	-5	Phillips #1	. 2274	.1120 .1100	.048	.208	.274	4-40 UNJC-3A	-5	.2844 .2794	.210	. 225			. 169 . 166	.0488 .0467	-5	. 167	. 153	4-40UNC-3B	. 173	8 IN. LBS.	. 208	. 210
-6	3/16	-6	Phillips #1	. 2514 . 2466	.1240 .1220	.053 .051	. 239	. 304	5-40 UNJC -3A	-6	.3536 .3486	. 250	. 265				.0660 .0640	-6	. 194	.184	5-40UNC-3B	. 201 . 197	10 IN. LBS.	. 239	. 253
-8	1/4	-8	Phillips #2	. 3304 . 3256	.1650 .1630	.069 .067	.316	.397	8-32UNJC-3A	-8	.4732 .4682	.315	. 330			. 257 . 254		-8	.255	. 245	8-32UNC-3B	. 264 . 258	20 30 IN. LBS.	. 316	. 335
-10	5/16	-10	Hi- Torque #3	.4454 .4406	.2180 .2160	.095 .093	.414	.498	12-28UNJF-3A	-10	.5619 .5569	.380	.400				.0980 .0930	-10	.328	. 307	12-28UNF-3B	. 345 . 339	50 80 IN. LBS.	. 414	. 438

BB461	CORE	BOLI

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.

MATERIAL: Type 431 stainless steel per Spec. QQ-S-763.

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: BB461-10-12 = 12-28 core bolt for 5/16 nominal diameter sleeve, 3/4 mean assembly grip length.

BB435 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.

MATERIAL: Aluminum 2017.

HEAT TREAT: Annealed.

FINISH: Anodize.

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: BB435-10-12 = 5/16 nominal diameter sleeve, 3/4 mean

assembly grip length.

BB459 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.

Dash number indicates diameter of Blind Bolt

Assembly in 32nds.

EXAMPLE: BB459-10 = 12-28 expander for use with 5/16

nominal diameter Blind Bolt.

BB460 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.

-5/16 Nominal Diameter Blind Bolt Assembly Blind Bolt Assembly which includes: BB461 Core Bolt, BB435 Sleeve, and BB459 Expander

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

TITLE

BLIND BOLT™ ASSEMBLY

100° COUNTERSUNK AN426 HEAD STYLE WITH NY LON THREAD LOCK

DRAWN	DATE	APPROVED	DATE	REVISION	DATE	DRAWING NUMBER
Shrids	9-/3-72	Jana Jana	Zs≈ž,			BB460