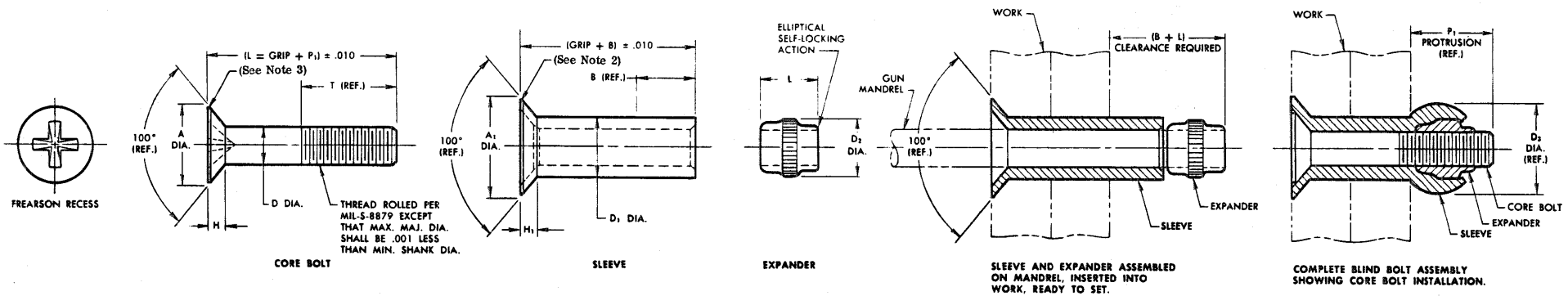
hi-shear CORPORATION
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509
AREA CODE 213 · 775-3181 · 326-8110



BLIND BOLT ASSEMBLY		BB301F 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.	H	P_1	T (REF)	THREAD	FIRST DASH NUMBER	A_1 DIA.	B GRIP RANGE 0-¾	B GRIP RANGE $^{13}/_{16}$-$1^{1}/_{16}$	B GRIP RANGE 1⅛-1⅝	B GRIP RANGE $1^{11}/_{16}$-2⅛	D_1 DIA.	H_1	DASH NUMBER	D_2 DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	P_1	D_3 DIA. (REF)
-5	5/32	-5	Frearson	.2274 .2226	.1120 .1100	.048 .046	.208	.274	4-40UNJC-3A	-5	.2844 .2794	.210	.225			.169 .166	.0488 .0467	-5	.167	.153	4-40UNJC-3B	.173 .170	8 10 IN. LBS.	.208	.210
-6	3/16	-6	Frearson	.2514 .2466	.1240 .1220	.053 .051	.239	.304	5-40UNJC-3A	-6	.3536 .3486	.250	.265			.196 .193	.066 .064	-6	.194	.184	5-40UNJC-3B	.201 .197	10 14 IN. LBS.	.239	.253

BB301F CORE BOLT

GENERAL NOTES: 1. Concentricity: Head to "D" diameter within .005 FIR.
2. Complete threads shall begin within two thread pitches maximum. Two thread pitch maximum may consist of incomplete thread and extrusion angle.
3. Curved or flat edge manufacturer's option.

MATERIAL: Type 431 corrosion-resisting steel per AMS5628.
HEAT TREAT: 125 ksi shear minimum
FINISH: Passivate.
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: BB301F-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 "D_1" diameter within .005 FIR.
Head to "D_1" diameter within .005 FIR.
2. Curved or flat edge manufacturer's option.

MATERIAL: Type 305 corrosion-resisting steel per QQ-S-763.
HEAT TREAT: Annealed per MIL-H-6875.
FINISH: Passivate.
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: 1. Threads per MIL-S-8879.

MATERIAL: Type AISI 431 corrosion-resisting steel per AMS5628.
HEAT TREAT: 125 ksi shear minimum
FINISH: Cadmium plate per QQ-P-416, Type I, Class 2, and cetyl alcohol lube.
CODE: Dash number indicates diameter of Blind Bolt Assembly in 32nds.
EXAMPLE: BB341-5 = 4-40 Expander for 5/32 nominal diameter Blind Bolt Assembly.

BB371 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: BB371-5-12
- 3/4 Mean Assembly Grip Length
- 5/32 Nominal Diameter Blind Bolt Assembly
- Blind Bolt Assembly which includes: BB301F Core Bolt, BB501 Sleeve, and BB341 Expander

U.S. Patent 2,959,999. Foreign patents issued.

TITLE					
BLIND BOLT™ ASSEMBLY 100° COUNTERSUNK AN426 HEAD STYLE					
DRAWN / DATE	APPROVED / DATE	REVISION / DATE	DRAWING NUMBER
Eckad 4-22-59	Schuster 4-22-59	9 Vargas 2-10-76	BB371

CODE IDENTIFICATION NO. 73197

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BB371