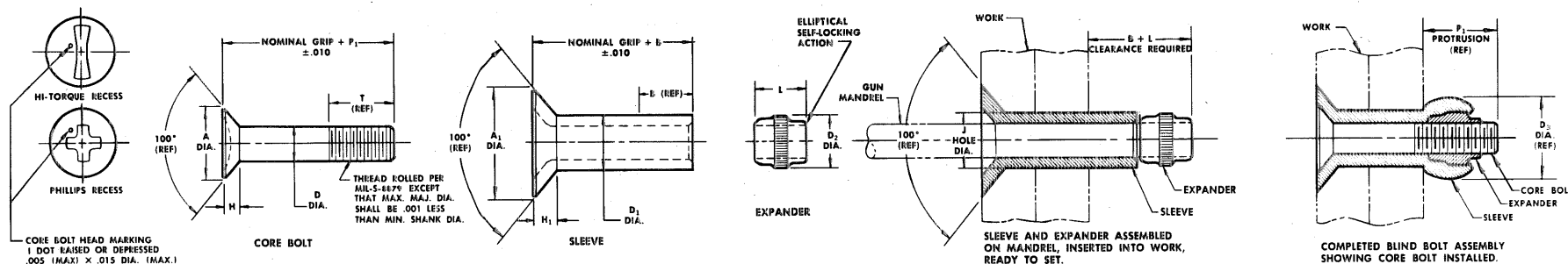




2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90508
AREA CODE 213 • 775-3181 • 326-8110



BLIND BOLT ASSEMBLY		BB301 CORE BOLT								BB129 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 0-3/4	B GRIP RANGE 1 1/16-1 1/2	B GRIP RANGE 1 3/4-1 5/8	D ₁ DIA.	H ₁	DASH NUMBER	D ₂ DIA.	L (LENGTH)	THREAD	J HOLE DIA.	CORE BOLT INSTALLATION TORQUE	F ₁	D ₂ DIA. (REF)	
-5	5/32	-5	Phillips	.2274 .2226	.1120 .1100	.048 .046	.208	.274	4-40UNJC-3A	-5	.3310 .3262	.210	.225	.265	.169 .167	.0680 .0660	-5	.167	.153	4-40UNJC-3B	.173 .170	8 10 IN. LBS.	.208	.210	
-6	3/16	-6	Phillips	.2514 .2466	.1240 .1220	.053 .051	.239	.304	5-40UNJC-3A	-6	.3813 .3765	.250	.265	.330	.196 .194	.0780 .0760	-6	.194	.184	5-40UNJC-3B	.201 .197	10 14 IN. LBS.	.239	.253	
-8	1/4	-8	Phillips	.3304 .3256	.1650 .1630	.069 .067	.316	.397	8-32UNJC-3A	-8	.5066 .5018	.315	.330	.370	.257 .255	.1050 .1030	-8	.255	.245	8-32UNJC-3B	.264 .258	20 30 IN. LBS.	.316	.335	
-10	5/16	-10	Hi-Torque	.4454 .4406	.2180 .2160	.095 .093	.414	.498	12-28UNJF-3A	-10	.6335 .6285	.380	.400	.420	.338 .335	.1240 .1220	-10	.328	.307	12-28UNJF-3B	.345 .339	50 80 IN. LBS.	.414	.438	
-12	3/8	-12	Hi-Torque	.5066 .5018	.2490 .2470	.108 .106	.485	.567	1/4-28UNJF-3A	-12	.7604 .7556	.450	.450	.450	.390 .387	.1554 .1534	-12	.383	.368	1/4-28UNJF-3B	.397 .391	125 150 IN. LBS.	.485	.510	
-14	7/16	-14	Hi-Torque	.6335 .6287	.3110 .3090	.135 .133	.543	.628	5/16-24UNJF-3A	-14	.8884 .8812	.500	—	—	.468 .465	.1764 .1734	-14	.458	.429	5/16-24UNJF-3B	.475 .469	200 IN. LBS.	.543	.600	
-16	1/2	-16	Hi-Torque	.7604 .7556	.3740 .3720	.163 .160	.600	.685	3/8-24UNJF-3A	-16	1.0139 1.0068	.550	—	—	.530 .527	.2030 .2000	-16	.521	.491	3/8-24UNJF-3B	.539 .531	300 IN. LBS.	.600	.662	

BB129 SLEEVE

- GENERAL NOTES: 1. Concentricity: Hole to "D₁" diameter within .005 FIR; "D₁" diameter to head within .005 FIR.
2. "H₁" is dimensioned from maximum "D₁" diameter.

MATERIAL: 5056 aluminum alloy per QQ-A-430.

HEAT TREAT: Anodize per MIL-A-8625.

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: BB129-8-12 = 1/4 nominal diameter sleeve, 3/4 mean assembly grip length.

BB341 EXPANDER

- GENERAL NOTES: 1. Threads per MIL-S-8879.

MATERIAL: Type 431 stainless steel per Spec. MIL-S-853, Class 10.

HEAT TREAT: 125,000 psi shear minimum.

FINISH: Solid film lubricant.

CODE: Dash number indicates diameter of Blind Bolt Assembly in 32nds.

EXAMPLE: BB341-8 = 1/4 nominal diameter Blind Bolt Assembly using 8-32 expander.

BB159 BOLT ASSEMBLY

BB159 BLIND 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: BB159-8-12

① Editorially Updated

U.S. Patent 2,677,985. Other U.S. and foreign patents pending. "Hi-Torque" trademark.

TITLE							
BLIND BOLT™ ASSEMBLY							
100° COUNTERSUNK AN509 HEAD STYLE							
DRAWN	DATE	APPROVED	DATE	REVISION	DATE	DRAWING NUMBER	
Schad	58	M.S.	58	① D.P.S.	5-4-72	BB159	