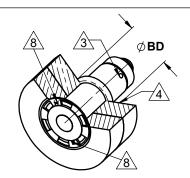


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Ergo-Tech® BLIND BOLT ENGINEERING STANDARD





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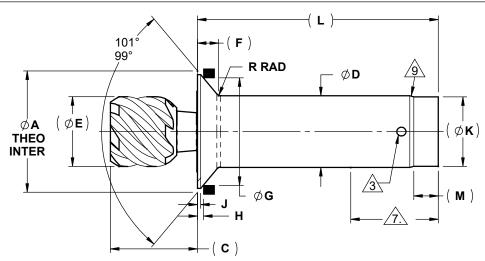


TABLE I

PART/DIA DASH NO.	Ø A THEO INTER MAX	J MAX	(C) DRIVER LENGTH REF	Ø D SHANK	(ØE) SPLINE REF	(F) HEAD HEIGHT REF	R RADIUS MAX	Ø G GAUGE	H GAUGE HEIGHT	SINGLE SHEAR LBS (MIN)	TENSILE LBS (MIN)	(ØK) LEAD-IN MAX REF	(M) REF	Ø BD MIN. 5 EXTENDED GRIP	RECOMMENDED INSTALLATION HOLE SIZES
ER755-05	.2877	.010	.250	.1635 .1625	.180	.049	.015	.2028 .2026	.0330 .0298	2005	1400	.1565	.060	.205	.167 .164
ER755-06	.3277	.015	.250	.1895 .1885	.180	.056	.015	.2560 .2558	.0295 .0263	2690	1600	.1830	.065	.238	.193 .190
ER755-08	.4283	.015	.300	.2495 .2485	.235	.074	.020	.3732 .3730	.0227 .0195	4650	3000	.2430	.085	.313	.253 .250
ER755-10	.5361	.015	.350	.3120 .3110	.275	.092	.025	.4791 .4789	.0234 .0198	7300	5000	.3055	.230	.391	.316 .313
ER755-12	.6415	.020	.400	.3745 .3735	.320	.110	.030	.5698 .5696	.0295 .0259	10500	7000	.3680	.305	.469	.378 .375

					DIMENSI	ONS IN INCHES		
A B //	AM ECN 15069 TABLE REFORMATTING		Current Design Activity	PROCUREMENT	DRAWN BY	J. SCHLOBOHM		
AIVI			CAGE Code OHDW7	SPEC T0108	CHECKED BY	SIGNATURE ON FILE		
ISSUED	4/2/2004	THREADED, 100° FLUSH INTERMEDIATE SHEAR HEAD,			ER755			
REVISED	05/15/2022							
DAGE	1 OF 4	I I I ANIUM/A-	286 (95 KSI SHEAR)		SK1270	aa l		

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TABLE II

	GRIP NUMBER TABULATION 10										
GRIP DASH NO.	DESIGI RAN	-	OVERLAP MAX GRIP	-05 DIA	-06 DIA	-08 DIA	-10 DIA	-12 DIA			
NO.	MIN.	MAX.	<u>6</u>	(L)	(L)	(L)	(L)	(L)			
-02	.077	.125	.133	.451	-	-	-	-			
-02	.084	.125	.133	-	.482	-	-	-			
-03	.126	.187	.195	.513	.544	.649	-	-			
-04	.188	.250	.258	.576	.607	.711	.792	-			
-05	.251	.312	.320	.638	.669	.774	.854	.948			
-06	.313	.375	.383	.701	.732	.836	.917	1.010			
-07	.376	.437	.445	.763	.794	.899	.979	1.073			
-08	.438	.500	.508	.826	.857	.961	1.042	1.135			
-09	.501	.562	.570	.888	.919	1.024	1.104	1.198			
-10	.563	.625	.633	.951	.982	1.086	1.166	1.260			
-11	.626	.687	.695	1.013	1.044	1.149	1.229	1.323			
-12	.688	.750	.758	-	1.107	1.211	1.291	1.385			
-13	.751	.812	.820	-	1.169	1.274	1.354	1.448			
-14	.813	.875	.883	-	1.232	1.336	1.416	1.510			
-15	.876	.937	.945	-	-	1.399	1.479	1.573			
-16	.938	1.000	1.008	-	-	ı	1.541	1.635			
-17	1.001	1.062	1.070	-	-	ı	1.604	1.698			
-18	1.063	1.125	1.133	-	-	-	1.666	1.760			
-19	1.126	1.187	1.195	-	-	-	1.729	1.823			
-20	1.188	1.250	1.258	-	-	-	1.791	1.885			

SINGLE SHEAR TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NASM 1312 -20 AND APPLIES TO GRIPS 05-05 MIN, 06-06 MIN, 08-07 MIN, 10-09 MIN AND 12-10 MIN AND LONGER.

TENSILE STRENGTH TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NASM 1312 - 8 AND APPLIES TO GRIPS 05-06 MAX. 06-07 MAX. 08-08 MAX. 10-10 MAX AND 12-12 MAX AND LONGER

 $\stackrel{\frown}{2}$. DIMENSIONS ARE IN INCHES AND ARE TO BE MET AFTER FINISH.

3. 3 INDENTATIONS 120° APART TO PROVIDE THREAD LOCK.

 $\stackrel{\checkmark}{4.}$ BLIND SIDE HEAD MAY BE INSTALLED ON 5° MAXIMUM SLOPE.

5.\ THE AVERAGE SMALLEST AND LARGEST OBSERVED VALUES ON THE SAME SPECIMEN SHALL BE EQUAL TO OR GREATER THAN THE STATED MINIMUM.

6: EXTENDED GRIP "BD MIN" VALUE APPLIES TO A PART DRIVEN .008" \pm .002" OVER THE DESIGN MAXIMUM GRIP. SEE GRIP TABLE II ON PAGE 2.

SLEEVE DIA. MAY BE UP TO .0003" OVERSIZE IN BAND ANNEAL ZONE WHICH EXTENDS FROM BLIND END APPROX:- 05 DIA.(.475"), -06 DIA. (.525"), -08 DIA. (.635"), -10 DIA. (.700"), -12 DIA. (.750")

DIMENSIONS IN INCHES

AM	ECN 150	69 TABLE REFORMATTING	Current Design Activity CAGE Code OHDW7	PROCUREMENT SPEC T0108		J. SCHLOBOHM SIGNATURE ON FILE		
ISSUED	4/2/2004	BLIND BOLT FASTENER, HIGH STRENGTH, FRICTION THREAD LOCK,			ER755			
REVISED	05/15/2022	,	INTERMEDIATE SHEAR HEAD,		LIV/ J	·		
PAGE	2 OF 4	TTANIUM/A-	286 (95 KSI SHEAR)		SK1279	99		



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DIMENSIONS IN INCHES

TABLEIII

IABLE III /15.\										
FINISH	MAT	ERIAL	FINISH	PROCUREMENT						
CODE	NUT BODY	CORE BOLT	NUT BODY	CORE BOLT	SPECIFICATION					
NONE			PASSIVATE PER AMS2700 TYPE 2 OR 8							
D 12.	A286 CRES PER CHEMICAL COMPOSITION AMS 5737 OR		IVD ALUMINUM COAT PER MIL-DTL-83488, TYPE II, CLASS 3 AND EN6118							
AC		PER CHEMICAL 6AI-4V TITANIUM COMPOSITION PER AMS 4967	CHROMATED ALUMINUM PIGMENTED COATING PER NAS4006 AND EN4473		T0108					
ACN 14. 16.			NON-CHROMATED ALUMINUM COATING PER NAS4006 AND EN4473	INCOTEC TEC-LUBE DRYFILM LUBE PER AS5272 OR EQUIVALENT						
ACP 12.	AWS 5/32		CHROMATED ALUMINUM PIGMENTED COATING PER NAS4006 AND EN4473 WITH INCOTECH WCA-9P (PINK)							
ACPD			CHROMATED ALUMINUM COATING PER NAS4006		T0108 AND					

AND EN4473 WITH INCOTECH

WCA-9P (PINK)

NUMBER KEY:

FINISH CODE (SEE TABLE I I I)

NOMINAL GRIP NUMBER IN 1/16" INCREMENTS (SEE TABLE I I, PAGE 2)

NOMINAL DIAMETER NUMBER IN 1/32" INCREMENTS

BASIC CONFIGURATION PART NUMBER.

B. IDENTIFICATION: -05 AND -06: MANUFACTURER'S ID; -08, -10 AND -12: MANUFACTURER'S ID AND A SQUARE OR SQUARE OUTLINE FOR ER755 HEAD CONFIGURATION. MARKING INDENTED .010 MAXIMUM, ARRANGEMENT OPTIONAL.. -05 AND -06 PARTS MANUFACTURED WITHOUT MANUFACTURER'S I.D. MAY BE USED UNTIL STOCKS ARE DEPLETED.

- $\cancel{9}$ TRANSITION OPTIONAL. MAY BE RADIUS OR CHAMFER.
- (10) CONSULT HFS FOR LONGER GRIP LENGTH AVAILABILITY.
- MIN GRIP FOR 05-02 IS .077 AND FOR 06-02 IS .084.
- $\cancel{12}$ THIS FINISH IS INACTIVE FOR NEW DESIGN AND PROCURMENT. NO SUPERSESSIONS AVAILABLE.
- 13 THIS FINISH IS INACTIVE FOR NEW DESIGN AND PROCURMENT AFTER 03/01/2022.
- ACN FINISH IS SUPERSESSION FOR THE AC FINISH CODE
- $\cancel{15}$ NOTE: CETYL ALCOHOL LUBE PER AS87132 MAY BE APPLIED TO COMPONENTS (AT MFR'S OPTION)
- NOTE: COMPLETE COVERAGE OF SLEEVE INTERNAL FEATURES IS NOT REQUIRED. OVERSPRAY ONTO THE INTERNAL FEATURES IS ACCEPTED.

					DIMENSI	DINO IN INCHES	
ΛМ	EON 450	15069 TABLE REFORMATTING	Current Design Activity	PROCUREMENT	DRAWN BY	J. SCHLOBOHM	
AIVI	ECN 150	69 TABLE REFURMATTING	CAGE Code OHDW7	SPEC T0108	CHECKED BY	SIGNATURE ON FILE	
ISSUED	4/2/2004	BLIND BOLT FASTENER, HIGH STRENGTH, FRICTION THREAD LOCK,			ER755		
REVISED	05/15/2022	THREADED, 100° FLUSH	LIX/ 33				
PAGE	3 OF 4	ITTANIUM/A-	286 (95 KSI SHEAR)		SK1279	9	



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TABLE I V

INSTALLED WEIGHT (LBS/1000)							
DIAMETER	GRIP	WEIGHT	ADDER				
-05 (.164)	-02	1.90	.259				
-06 (.190)	-02	2.80	.350				
-08 (.250)	-03	6.45	.598				
-10 (.313)	-04	12.51	.938				
-12 (.375)	-05	21.60	1.355				

					DIMENSI	ONS IN INCHES		
A NA	EON 450	ACC TABLE DEFORMATTING	Current Design Activity	PROCUREMENT	DRAWN BY	J. SCHLOBOHM		
Aivi	AM ECN 15069 TABLE REFORMATTING		CAGE Code OHDW7	SPEC T0108	CHECKED BY	SIGNATURE ON FILE		
ISSUED	4/2/2004	THREADED, 100° FLUSH INTERMEDIATE SHEAR HEAD,			ER755			
REVISED	05/15/2022							
PAGE	4 OF 4	III ANIUM/A-:	286 (95 KSI SHEAR)		SK1279	99		