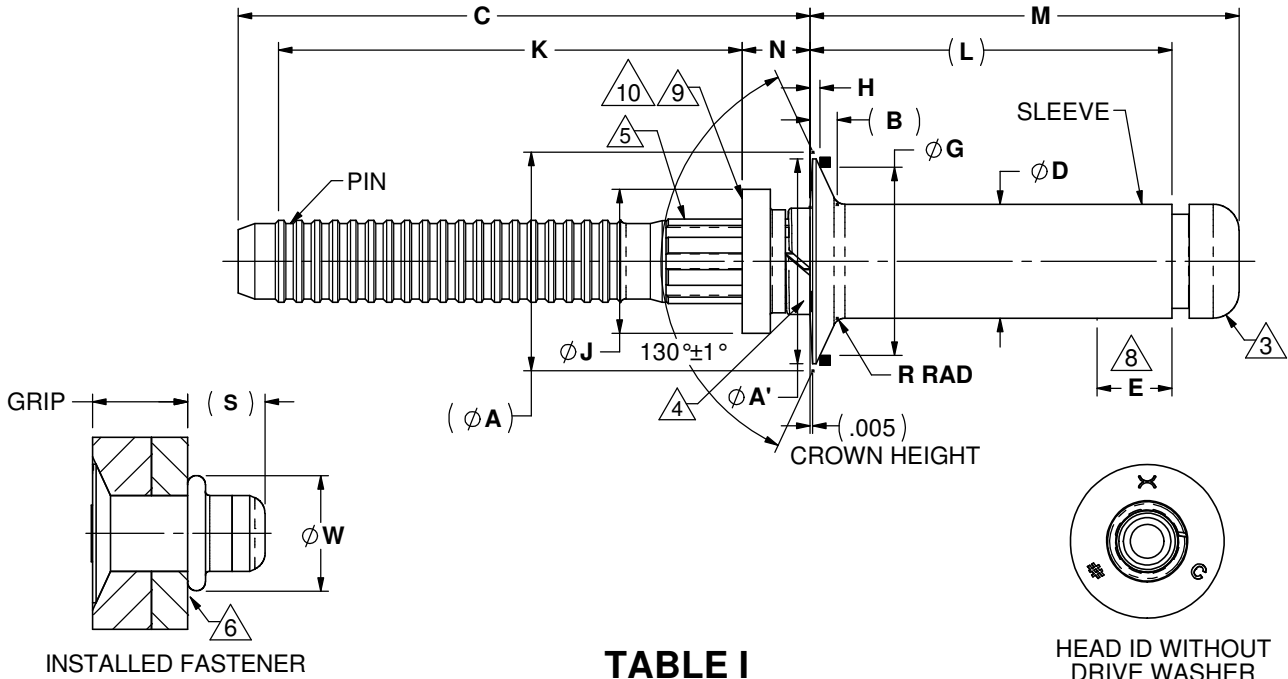




HOWMET FASTENING SYSTEMS  
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**ADVANCED BLIND BOLT**  
**ENGINEERING**  
**STANDARD**



**TABLE I**

PART NUMBER	NOM DIA.	(Ø A) HEAD THEO. INTER.	Ø A' MIN	B HEAD HEIGHT REF	C MIN.	Ø D SLEEVE ±.001	E MAX	Ø G GAGE ±.0001	H GAGE HEIGHT	Ø J ±.005	K ±.030	N ±.060	R RAD. MAX.	(S) DESIGN REF	Ø W MIN.	SINGLE SHEAR	TENSILE	SPINDLE RET.	HOLE LIMITS +.003 -0.000
UAB130-EU05-( )	05	.332	.296	.039	.844	.163	.300	.2831	.0188 .0148	10	.800	.140	.025	.232	.223	1980	1050	525	.164
UAB130-EU06-( )	06	.386	.347	.043	.875	.198	.320	.3271	.0192 .0152	.375	.830	.160	.025	.292	.270	2925	1500	750	.199
UAB130-EU08-( )	08	.507	.463	.057	1.000	.259	.370	.4319	.0237 .0197		.975	.190	.030	.361	.355	5000	2600	1300	.260

- 1. MINIMUM ULTIMATE SINGLE SHEAR AND TENSILE STRENGTHS IN POUNDS OF INSTALLED FASTENER.
- 2. APPLIES TO GRIPS 05-04 MAX, 06-05 MAX, 08-06 MAX AND UP. IN SHORTER GRIPS, A TRUE COMPOSITE SHEAR TEST CANNOT BE OBTAINED.
- 3. TRIM FLASH NOT TO EXCEED .005 MAXIMUM LENGTH ABOVE HEAD OF PIN.
- 4. SOLID OR SPLIT LOCK COLLAR - MANUFACTURER'S OPTION. SPLIT NOT TO EXCEED .020 WIDTH.
- 5. KNURLED TO FACILITATE FASTENER ASSEMBLY. NOT PART OF THE INSTALLED FASTENER.
- 6. BLIND SIDE HEAD MAY BE INSTALLED ON 7° MAXIMUM SLOPE.
- 7. IDENTIFICATION: HUCK SYMBOL, "C" (MATERIAL) AND GRIP DASH NUMBER.
- 8. "E" LENGTH OF "ØD" MAY BE .002 UNDERSIZE.
- 9. DRIVE WASHER TO FACILITATE INSTALLATION ONLY. NOT PART OF THE INSTALLED FASTENER.
- 10. -05 DIA SIZE ALSO AVAILABLE WITH REDUCED O.D. DRIVE ANVIL OF .312±.005. SEE PART NUMBER EXAMPLES.

DIMENSIONS IN INCHES

<b>AC</b>	PER ECN 14450, Changed from Alcoa Fastening Systems and Rings To Howmet Fastening Systems		Current Design Activity CAGE Code 0HDW7		PROCUREMENT SPEC T0106	DRAWN BY J. SCHLOBOHM	
					CHECKED BY	SIGNATURE ON FILE	
ISSUED	1/31/2001	Unimatic® ADVANCED SERIES BLIND BOLT FASTENER, HIGH STRENGTH, PULL-TYPE, POSITIVE MECHANICAL LOCK, 130° FLUSH HEAD, LARGE FOOT PRINT A-286 CRES (95 KSI SHEAR) SINGLE ACTION INSTALLATION				<b>UAB130-EU</b>	
REVISED	4/1/2020					<b>SK12711</b>	
PAGE	1 OF 3						

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△ OVERLAP MINIMUM GRIP FOR -.06 DIAMETER IS .140 AND -.08 DIAMETER IS NONE.

**TABLE II**

GRIP NUMBER TABULATION															
GRIP DASH NUMBER	OVERLAP GRIP MIN	DESIGN GRIP RANGE		OVERLAP GRIP MAX	05		GRIP DASH NUMBER	OVERLAP GRIP MIN	DESIGN GRIP RANGE		OVERLAP GRIP MAX	06		08	
		MIN.	MAX.		(L)	M MAX			MIN.	MAX.		(L)	M MAX	(L)	M MAX
02	NONE	.094	.157	.173	.336	.476	02	NONE	.120	.157	.173	.355	.521	-	-
03	.146	.156	.220	.236	.398	.539	03	NOTE 11	.156	.220	.236	.417	.583	.479	.645
04	.209	.219	.282	.298	.460	.602	04	.203	.219	.282	.298	.480	.646	.541	.707
05	.271	.281	.345	.361	.523	.664	05	.265	.281	.345	.361	.542	.708	.604	.770
06	.334	.344	.407	.423	.585	.727	06	.328	.344	.407	.423	.605	.771	.666	.832
07	.396	.406	.470	.486	.648	.789	07	.390	.406	.470	.486	.667	.833	.729	.895
08	.459	.469	.532	.548	.710	.852	08	.453	.469	.532	.548	.730	.896	.791	.957
09	.521	.531	.595	.611	.773	.914	09	.515	.531	.595	.611	.792	.958	.854	1.020
10	.584	.594	.657	.673	.835	.977	10	.578	.594	.657	.673	.855	1.021	.916	1.082
11	.646	.656	.720	.735	.898	1.039	11	.640	.656	.720	.735	.917	1.083	.979	1.145
12	.709	.719	.782	.798	.960	1.102	12	.703	.719	.782	.798	.980	1.146	1.041	1.207
13	.771	.781	.845	.860	1.023	1.164	13	.765	.781	.845	.860	1.042	1.208	1.104	1.270
14	.834	.844	.907	.923	1.085	1.227	14	.828	.844	.907	.923	1.105	1.271	1.166	1.332
15	.896	.906	.970	.985	1.148	1.289	15	.890	.906	.970	.985	1.167	1.333	1.229	1.395
16	.959	.969	1.032	1.048	1.210	1.352	16	.953	.969	1.032	1.048	1.230	1.396	1.291	1.457
17	1.021	1.032	1.094	1.111	1.273	1.414	17	1.015	1.031	1.095	1.111	1.292	1.458	1.354	1.520
18							18	1.078	1.094	1.157	1.173	1.355	1.521	1.416	1.582
19							19	1.140	1.156	1.220	1.236			1.479	1.645
20							20	1.203	1.219	1.282	1.298			1.541	1.707

**TABLE III**

UAB130-EU INSTALLED WEIGHT IN LBS (1000 pcs.)							
GRIP	5 DIA	6 DIA	8 DIA	GRIP	5 DIA	6 DIA	8 DIA
-02	2.29	3.69		-12	5.97	9.01	16.74
-03	2.64	4.09	8.36	-13	6.34	9.55	17.67
-04	3.01	4.64	9.28	-14	6.71	10.10	18.60
-05	3.38	5.18	10.21	-15	7.08	10.64	19.53
-06	3.75	5.73	11.14	-16	7.45	11.20	20.76
-07	4.12	6.27	12.08	-17	7.82	11.75	21.69
-08	4.49	6.82	13.01	-18		12.29	22.62
-09	4.86	7.37	13.94	-19			23.55
-10	5.23	7.91	14.87	-20			24.48
-11	5.60	8.46	15.80				

DIMENSIONS IN INCHES

<b>AC</b>	PER ECN 14450, Changed from Alcoa Fastening Systems and Rings To Howmet Fastening Systems				Current Design Activity CAGE Code 0HDW7		PROCUREMENT SPEC T0106	DRAWN BY J. SCHLOBOHM	CHECKED BY SIGNATURE ON FILE	
	ISSUED	1/31/2001	Unimatic® ADVANCED SERIES BLIND BOLT FASTENER, HIGH STRENGTH, PULL-TYPE, POSITIVE MECHANICAL LOCK, 130° FLUSH HEAD, LARGE FOOT PRINT A-286 CRES (95 KSI SHEAR) SINGLE ACTION INSTALLATION						<b>UAB130-EU</b>	
	REVISIED	4/1/2020							<b>SK12711</b>	
PAGE	2 OF 3									

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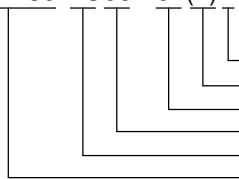
**TABLE I V**

FINISH CODE	MATERIAL			FINISH			LUBE
	SLEEVE	PIN	LOCK COLLAR	SLEEVE	PIN	LOCK COLLAR	
NONE	A-286 CRES AMS 5737	A-286 CRES AMS 5737	A-286 CRES AMS 5737 OR 316 CRES AMS5690	PASSIVATE AMS2700 & AMS-QQ-P-35	PASSIVATE AMS2700 & AMS-QQ-P-35	PASSIVATE AMS2700 & AMS-QQ-P-35	OPTIONAL
D	A-286 CRES AMS 5737	A-286 CRES AMS 5737	A-286 CRES AMS 5737 OR 316 CRES AMS5690	ALUMINUM COAT MIL-DTL-83488	PASSIVATE AMS2700 & AMS-QQ-P-35	PASSIVATE AMS2700 & AMS-QQ-P-35	OPTIONAL
CD	A-286 CRES AMS 5737	A-286 CRES AMS 5737	A-286 CRES AMS 5737 OR 316 CRES AMS5690	CAD. PLATE AMS-QQ-P-416 TYPE II CLEAR DICHROMATE CLASS 2	PASSIVATE AMS2700 & AMS-QQ-P-35	PASSIVATE AMS2700 & AMS-QQ-P-35	OPTIONAL
AC	A-286 CRES AMS 5737	A-286 CRES AMS 5737	A-286 CRES AMS 5737 OR 316 CRES AMS5690	HIKOTE 1 PER NAS4006 AND BMS 10-85	PASSIVATE AMS2700 & AMS-QQ-P-35	PASSIVATE AMS2700 & AMS-QQ-P-35	OPTIONAL

LUBRICATION- WHEN LUBRICATED, PARTS SHALL BE LUBRICATED PER AS5272, AS87132 OR LOX COMPATIBLE DRY FILM LUBRICANT. (MANUFACTURER'S OPTIONS)

HUCK PART NUMBER EXAMPLE:

UAB130-EU06 - 04( )R



CODE "R" FOR REDUCED DRIVE ANVIL DIAMETER ON -05 DIA SIZE ONLY  
 FINISH CODE - SEE TABLE  
 GRIP NUMBER IN 16th INCHES.  
 NOMINAL SHANK DIAMETER IN 32nd INCHES.  
 MATERIAL DESIGNATOR - A286.  
 Unimatic® ADVANCED SERIES BLIND BOLT FASTENER, HIGH STRENGTH  
 PULL-TYPE, POSITIVE MECHANICAL LOCK, 130° FLUSH HEAD,  
 EXPANDED BULB. LARGE FOOT PRINT. DRIVE WASHER INCLUDED.

DIMENSIONS IN INCHES

AC	PER ECN 14450, Changed from Alcoa Fastening Systems and Rings To Howmet Fastening Systems		Current Design Activity CAGE Code 0HDW7		PROCUREMENT SPEC T0106	DRAWN BY J. SCHLOBOHM	CHECKED BY	SIGNATURE ON FILE
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