



Howmet Fastening Systems
 Tucson Operations
 3724 East Columbia Street
 Tucson, Arizona 85714 USA
 Phone (520) 519-7400
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Unimatic®
ADVANCED BLIND BOLT
ENGINEERING
STANDARD

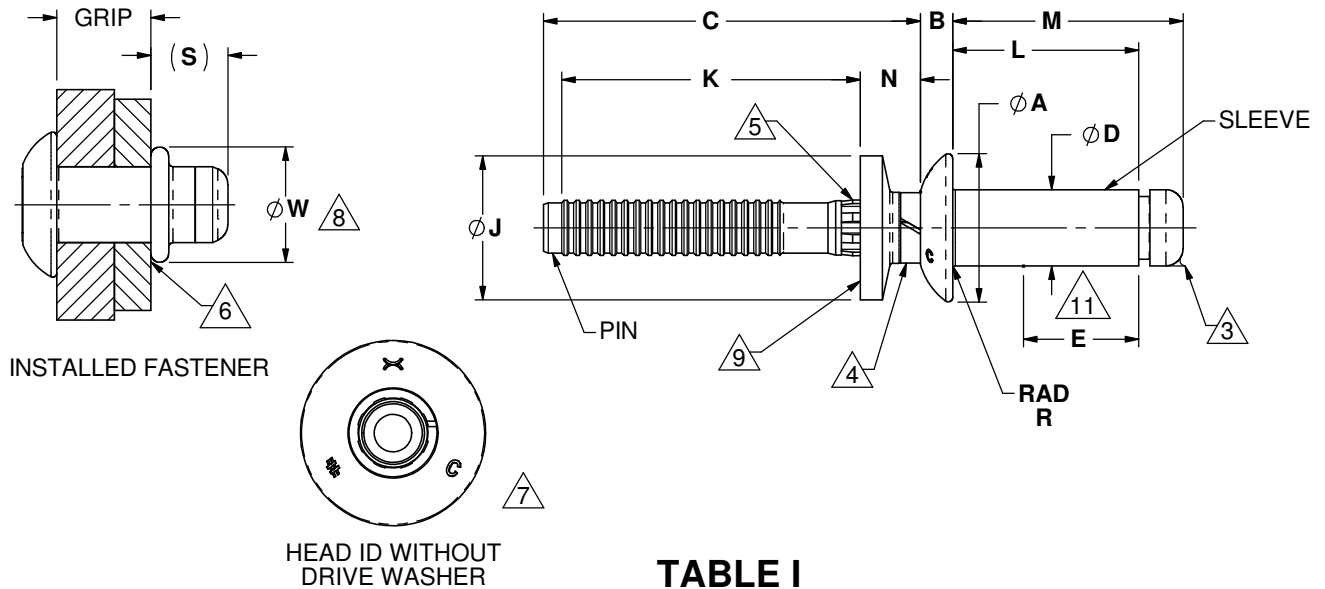


TABLE I

PART NUMBER	NOM DIA.	Ø A HEAD	B +.010 -.000	C MIN.	Ø D SLEEVE ±.001	E MAX	Ø J ±.005	K ±.030	N ±.060	R RAD. MAX.	(S) DESIGN REF	Ø W MIN.	SINGLE SHEAR	TENSILE	SPINDLE RET.	HOLE LIMITS +.003 -.000
UABP-EU05-()	05	.328 .296	.067	.844	.163	.300	.375	.800	.140	.010	.232	.223	1980	1150	575	.164
UABP-EU06-()	06	.394 .356	.080	.875	.198	.320		.830	.160	.015	.292	.270	2925	1690	845	.199
UABP-EU08-()	08	.525 .475	.107	1.000	.259	.370		.975	.190	.018	.361	.355	5000	2900	1440	.260

- 1. MINIMUM ULTIMATE SINGLE SHEAR AND TENSILE STRENGTHS IN POUNDS OF INSTALLED FASTENER.
- 2. APPLIES TO GRIPS 05-03 MAX, 06-03 MAX, 08-04 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. THE AVERAGE READING OF THE SMALLEST & LARGEST OBSERVED VALUE ON THE SAME SPECIMEN MUST BE EQUAL TO OR GREATER THAN THE STATED MINIMUM DIAMETER. THIS IS APPLICABLE TO DESIGN GRIP RANGE.
- 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.
- 11. "E" LENGTH OF "Ø D" MAY BE .002 UNDERSIZE.

DIMENSIONS IN INCHES

V	PER ECN 14450 CHANGED ARCONIC LOGO TO HOWMET LOGO		Current Design Activity CAGE Code 0HWD7		PROCUREMENT SPEC T0106	DRAWN BY J. SCHLOBOHM	CHECKED BY SIGNATURE ON FILE
	ISSUED 9/20/2001	Unimatic® ADVANCED SERIES BLIND BOLT FASTENER, HIGH STRENGTH, PULL-TYPE, POSITIVE MECHANICAL LOCK, PROTRUDING HEAD, LARGE FOOT PRINT, A-286 CRES (95 KSI SHEAR) SINGLE ACTION INSTALLATION				UABP-EU	
REVISED 4/1/2020					SK12756		
PAGE 1 OF 3							

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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
01	NONE	.031	.095	.111	.283	.447	02	.078	.094	.157	.173	.373	.570	.413	.660
02	.084	.094	.157	.173	.346	.510	03	.140	.156	.220	.236	.435	.632	.475	.722
03	.146	.156	.220	.236	.408	.572	04	.203	.219	.282	.298	.498	.695	.538	.785
04	.209	.219	.282	.298	.471	.635	05	.265	.281	.345	.361	.560	.757	.600	.847
05	.271	.281	.345	.361	.533	.697	06	.328	.344	.407	.423	.623	.820	.663	.910
06	.334	.344	.407	.423	.596	.760	07	.390	.406	.470	.486	.685	.882	.725	.972
07	.396	.406	.470	.486	.658	.822	08	.453	.469	.532	.548	.748	.945	.788	1.035
08	.459	.469	.532	.548	.720	.884	09	.515	.531	.595	.611	.810	1.007	.850	1.097
09	.521	.531	.595	.611	.782	.946	10	.578	.594	.657	.673	.873	1.070	.913	1.160
10	.584	.594	.657	.673	.845	1.009	11	.640	.656	.720	.736	.936	1.133	.976	1.223
11	.646	.656	.720	.735	.908	1.072	12	.703	.719	.782	.798	.998	1.195	1.038	1.285
12	.709	.719	.782	.798	.970	1.134	13	.765	.781	.845	.861	1.061	1.258	1.101	1.348
13	.771	.781	.845	.860	1.033	1.197	14	.828	.844	.907	.923	1.123	1.320	1.163	1.410
14	.834	.844	.907	.923	1.095	1.259	15	.890	.906	.970	.986	1.186	1.383	1.226	1.473
15	.896	.906	.970	.985	1.158	1.322	16	.953	.969	1.032	1.049	1.248	1.445	1.288	1.535
16	.959	.969	1.032	1.048	1.220	1.384	17	1.015	1.031	1.095	1.111	1.311	1.508	1.351	1.598
17							18	1.078	1.094	1.157	1.173	1.373	1.570	1.413	1.660
18							19	1.141	1.156	1.220	1.236	1.435	1.633	1.476	1.723
19							20	1.203	1.219	1.282	1.298	1.498	1.695	1.538	1.785
20							21	1.265	1.281	1.345	1.360	1.560	1.758	1.601	1.848
							22	1.328	1.344	1.407	1.423	1.623	1.820	1.663	1.910
							23	1.390	1.406	1.470	1.485	1.685	1.883	1.726	1.973
							24	1.453	1.469	1.532	1.548	1.748	1.945	1.788	2.035
							25	1.515	1.531	1.595	1.610	1.810	2.008	1.851	2.098

TABLE III

UABP-EU INSTALLED WEIGHT IN LBS (1000 pcs.)							
GRIP	5 DIA	6 DIA	8 DIA	GRIP	5 DIA	6 DIA	8 DIA
-01	2.72			-14	7.54	11.62	22.18
-02	3.06	5.02	10.78	-15	7.91	12.17	23.13
-03	3.43	5.57	11.73	-16		12.72	24.08
-04	3.80	6.12	12.68	-17		13.27	25.03
-05	4.17	6.67	13.63	-18		13.82	25.98
-06	4.55	7.22	14.58	-19		14.37	26.93
-07	4.92	7.77	15.53	-20		14.92	27.88
-08	5.29	8.32	16.48	-21		15.47	28.83
-09	5.67	8.87	17.43	-22		16.02	29.78
-10	6.04	9.42	18.38	-23		16.57	30.73
-11	6.41	9.97	19.33	-24		17.12	31.68
-12	6.79	10.52	20.28	-25		17.67	32.63
-13	7.16	11.07	21.23				

DIMENSIONS IN INCHES

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			CHECKED BY	SIGNATURE ON FILE
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REVISED	4/1/2020			
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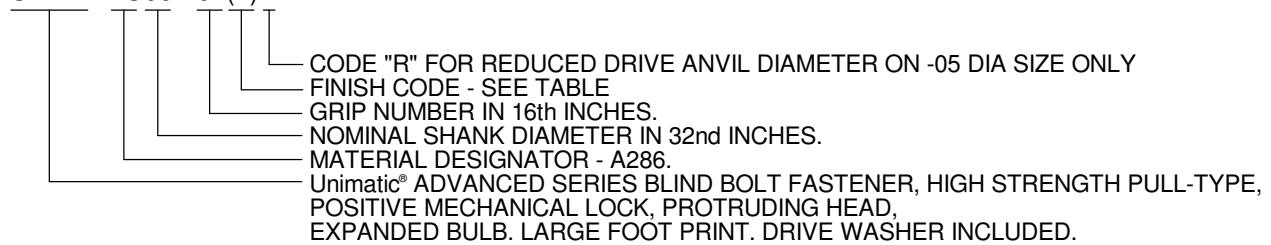
TABLE I V

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:

UABP - EU06 - 04()R



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