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				Arconic Fastening Systems and Rings Tucson Operations 3724 East Columbia Street Tucson, Arizona 85714 USA Phone (520) 519-7400 Fax (520) 519-7454							Unimatic [®] BLIND RIVET ENGINEERING STANDARD							
8. MINIMUM ULTIMATE SHEAR AND TENSILE STRENGTHS, IN POUNDS, OF INSTALLED BLIND RIVET.																		
9.	9. FOR INSTALLATION IN 100°±1° COUNTERSINKS FOR COMPOSITION "B" MATERIAL AND 100°±1°30' FOR COMPOSITION "EU" & "M" MATERIAL.																	
10.	BLIND SIDE HEAD MAY BE INSTALLED ON 5° MAXIMUM SLOPE																	
11.	OPTIONAL "U" CODE DRIVE WASHER FACILITATES INSTALLATION WITH BLUNT NOSE TOOL. DRIVE WASHER NOT PART OF THE INSTALLED FASTENER.																	
12. 3	12. SPINDLE IS COLORED YELLOW (LOCATION OPTIONAL) OR SPINDLE HEAD IS IDENTIFIED WITH A DEPRESSED "S".											PRESSED "S".						
13.	13. THIS RIVET IS INTENDED FOR GENERAL PURPOSE USE IN BOTH THICK SHEET STACKUP AND IN THIN SHEET OR DOUBLE DIMPLED APPLICATIONS.																	
14.	14. UNIMATIC INSTALLATION FOR CLOSE CLEARANCE APPLICATION OR FOR USE IN AUTOMATED EQUIPMENT. INSTALLS WITH SINGLE STROKE OF THE PULLING HEAD.																	
					BERS:													
SML	S100-	B05-0)4	- 505	56 ALUI	MINUN	1 RIVI	ET, .15	56 DIAN	METER	R, GR	IP RAN	NGE .1	88 TO	.250			
 SMLS100-EU05-04 SMLS100-EU05-04C SMLS100-M05-04C SMLS100-M05-04C SMLS100-M05-04C SMLS100-M05-04P SMLS100-EU05-04E SMLS100-B05-04FC SMLS100-B05-04FC SMLS100-EU05-04U A-286 CRES RIVET, .156 DIAMETER, GRIP RANGE .188 TO .250, CADMIUM PLATED SLEEVE. MONEL RIVET, .156 DIAMETER, GRIP RANGE .188 TO .250, CADMINUM PLATED SLEEVE. MONEL RIVET, .156 DIAMETER, GRIP RANGE .188 TO .250, CADMINUM COATED SLEEVE. MONEL RIVET, .156 DIAMETER, GRIP RANGE .188 TO .250, LUBRICATED AS REQUIRED. MONEL RIVET, .156 DIAMETER, GRIP RANGE .188 TO .250, DICHRONITE DL-5 DRY FILM LUBRICANT. (PIN ONLY) SMLS100-EU05-04U SMLS100-EU05-04U TABBLE II 																		
	GRIP	SML	S100-(100-()04 (.125 DIA.) S			SMLS100-()05 (.156 DIA.)				SMLS100-()06 (.190 DIA.)			SMLS100-()08 (.250 DIA.)				
5	DASH			F	GRIP RANGE L F		F	GRIP RANGE L F			GRIP RANGE L F			F				
	NO.		MAX.	MAX	MAX	MIN.	-	MAX	MAX		MAX.	MAX	MAX		MAX.	MAX	MAX	
	01	.057	.078	.213	.342	.075	.100	.238	.418									
	02	.079	.125	.260	.431	.080	.125	.263	.446	.100	.125	.287	.500					
	03		.187	.323	.516	.126	.187	.336	.541	.126	.187	.350	.571	.126	.187	.427	.637	
	04	.188	.250	.385	.641	.188	.250	.398	.666	.188	.250	.412	.696	.188	.250	.460	.762	
	05 06	.251 .313	.312 .375	.448 .510	.766 .891	.251 .313	.312 .375	.461	.791 .916	.251 .313	.312 .375	.475 .537	.821 .946	.251 .313	.312 .375	.522 .585	.887 1.012	
	07	.376	.437	.573	1.016	.376	.437	.586	1.041	.376	.437	.600	1.071	.376	.437	.647	1.137	
	08	.438	.500	.635	1.141	.438	.500	.648	1.166	.438	.500	.662	1.196	.438	.500	.710	1.262	
	09	.501	.562	.698	1.266	.501	.562	.711	1.291	.501	.562	.725	1.321	.501	.562	.772	1.387	
	10	.563	.625	.760	1.391	.563	.625	.773	1.416	.563	.625	.787	1.446	.563	.625	.835	1.512	
	11					.626	.687	.836	1.541	.626	.687	.850	1.571	.626	.687	.897	1.637	
	12									.688	.750	.912	1.696	.688	.750		1.762	
	13													.751		1.022	1.887	
	14													.813	.0/5	1.085	2.012	
DIMENSIONS IN INCHES																		

					DIMENSI	ONS IN INCHES	
-	ECN #13	823	Current Design Activity	PROCUREMENT SPEC NAS1900	DRAWN BY	J. SCHLOBOHM	
			CAGE Code OHDW7		CHECKED BY	SIGNATURE ON FILE	
ISSUED	3/14/1980	Unimatic [®] BLIND RIVET	SMLS100 - ()				
REVISED	9/14/2017		(-SPINDLE, 100° FLUSH HEAD,				
PAGE	2 OF 3	5056 ALUMINUM, MONE	- & A-286 CRES RIVET SLEEVES	BLR103			

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TABLEIII

RIVET COMPONENTS	COMPOSITION B	COMPOSITION EU	COMPOSITION M						
COMPONENTS									
SLEEVE	5056 ALUMINUM PER QQ-A-430	A-286 CRES PER CHEMICAL RQMT OF AMS5737	MONEL PER QQ-N-281						
SPINDLE	2024 ALUMINUM PER QQ-A-430	A-286 CRES PER CHEMICAL RQMT OF AMS5737	A-286 CRES PER CHEMICAL RQMT OF AMS5737						
LOCK RING 5056 ALUMINUM PER QQ-A-430		A-286 CRES PER CHEMICAL RQMT OF AMS5737, OR 316 CRES (UNS S31600) PER CHEMICAL RQMT OF AMS5690	A-286 CRES PER CHEMICAL RQMT OF AMS5737, MONEL PER QQ-N-281, OR 316 CRES (UNS S31600) PER CHEMICAL RQMT OF AMS5690						
FINISHES									
SLEEVE	NONE OR AVAILABLE WITH SPECIAL COATINGS, SEE CODES BELOW	PASSIVATE PER AMS2700 OR CADMIUM PLATE PER AMS-QQ-P-416, TYPE I I, CLASS 3 OR ALUMINUM COAT PER NAS4006	NONE OR CADMIUM PLATE PER AMS-QQ-P-416, TYPE I I, CLASS 3 OR ALUMINUM COAT PER NAS4006						
SPINDLE	CHEMICALLY SURFACE TREAT PER MIL-DTL-5541, CL 1A	PASSIVATE PER AMS2700 AND AMS-QQ-P-35	PASSIVATE PER AMS2700 AND AMS-QQ-P-35						
LOCK RING	NONE	PASSIVATE PER AMS2700 AND AMS-QQ-P-35	PASSIVATE PER AMS2700 AND AMS-QQ-P-35 FOR A-286 & 316 CRES ONLY						

CODE:

FIRST SERIES OF TWO DIGIT NUMBERS FOLLOWING MATERIAL DESIGNATOR IS DIAMETER IN .0312 INCREMENTS.

SECOND SERIES OF TWO DIGIT NUMBERS FOLLOWING MATERIAL DESIGNATOR IS MAXIMUM GRIP IN .0625 INCREMENTS.

ADD "A" AFTER SECOND SERIES OF TWO DIGIT NUMBERS FOR ALUMINUM COATING PER NAS4006.

ADD "B" AFTER BASIC NUMBER FOR COMPOSITION B ALUMINUM RIVET.

ADD "EU" AFTER BASIC NUMBER FOR COMPOSITION EU A-286 CRES RIVET.

ADD "M" AFTER BASIC NUMBER FOR COMPOSITION M MONEL RIVET.

ADD "P" AFTER SECOND SERIES OF TWO DIGIT NUMBERS FOR DRY FILM LUBRICATION OR NONE AS REQUIRED TO DESIGNATE RIVET MAY BE SLOSH CLEANED WITH A-A-59281 CLEANER BEFORE INSTALLATION.

ADD "C" AFTER SECOND SERIES OF TWO DIGIT NUMBERS FOR CADMIUM PLATED RIVET SLEEVE.

ADD "EL" AFTER SECOND SERIES OF TWO DIGIT NUMBERS FOR DICHRONITE DL-5 DRY FILM LUBRICANT (PIN ONLY).

ADD "FC" AFTER SECOND SERIES OF TWO DIGIT NUMBERS OF COMPOSITION B RIVETS FOR CHEMICAL FILM PER MIL-DTL-5541, CL 1A.

ADD "U" AFTER SECOND SERIES OF TWO DIGIT NUMBERS FOR RIVET WITH ADDED DRIVE WASHER.

					DIMENSI	JNS IN INCHES	
ł	ECN #13823		Current Design Activity	PROCUREMENT	DRAWN BY	J. SCHLOBOHM	
			CAGE Code OHDW7	SPEC NAS1900	CHECKED BY	SIGNATURE ON FILE	
ISSUED	3/14/1980		GENERAL PURPOSE, BULBED,	SMLS100 - () BLR103			
REVISED	9/14/2017		-SPINDLE, 100° FLUSH HEAD,				
PAGE	3 OF 3	5056 ALUMINUM, MONEL	& A-286 CRES RIVET SLEEVES				

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