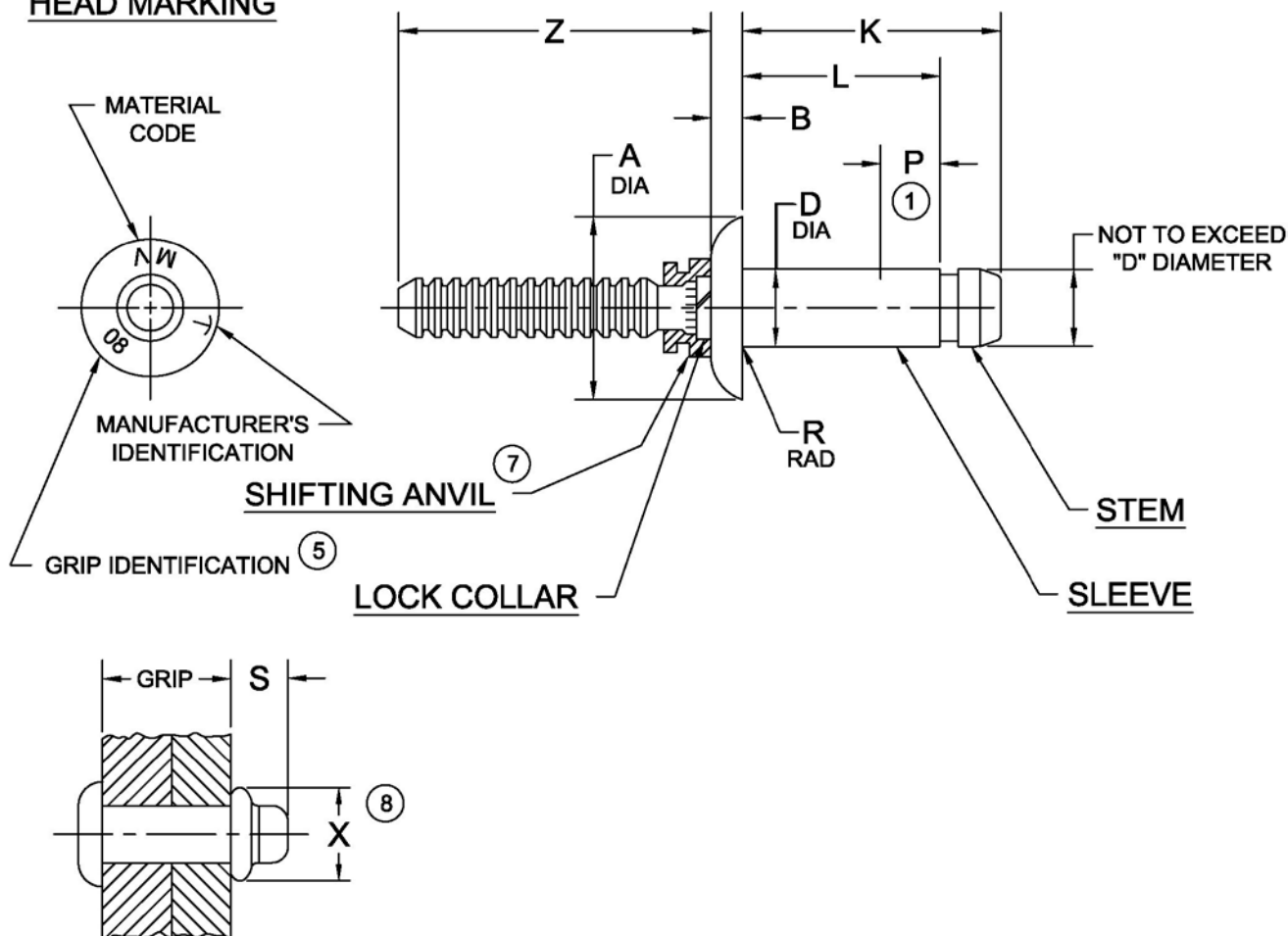




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HEAD MARKING



INSTALLED FASTENER

TABLE I

DIA. DASH NO.	D ±.001	A	B	P MAX	R MAX	S MAX	X MIN (8)	Z MIN	HOLE LIMITS	INSTALLED STRENGTH (3)	
										SINGLE SHEAR MINIMUM (4)	TENSILE MINIMUM
-04	.128	.238/.262	.052/.062	.190	.010	.200	.185	.812	.129/.132	1222	600
-05	.163	.296/.328	.067/.077	.215	.010	.232	.235	.844	.164/.167	1980	900
-06	.198	.356/.394	.080/.090	.250	.015	.292	.275	.875	.199/.202	2925	1400
-08	.259	.475/.525	.107/.117	.305	.018	.361	.350	1.000	.260/.263	5005	2100
-10	.311	.625/.575	.128/.138	.350	.025	.408	.410	1.218	.312/.315	7220	3100

NOTICE: ALL DIMENSIONS ARE IN INCHES AND APPLY AFTER FINISH AND BEFORE LUBRICATION UNLESS OTHERWISE SPECIFIED.

WARNING: FASTENERS MAY NOT PERFORM PROPERLY IF ALTERED FROM THE MANUFACTURER'S AS-SHIPPED CONDITION OR INSTALLED IN CONDITIONS OTHER THAN SPECIFIED HEREIN.

PROCUREMENT SPECIFICATION:

PS-CMB-7000

NAS 523 CODE:

CHERRY® MAXIBOLT™

TITANIUM BLIND BOLT PROTRUDING HEAD,
TITANIUM STEM

SHEET 1 OF 4

ISSUE

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AC

04 DEC 19

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TABLE II

GRIP DASH NO.	GRIP LIMITS			-04 DIA		-05 DIA	
	DESIGN GRIP RANGE ③		OVERLAP MAX ⑨	L REF	K MAX	L REF	K MAX
	MIN	MAX					
-01	.031	.095	.111	.258	.330	.274	.414
-02	.094	.157	.173	.321	.393	.336	.476
-03	.156	.220	.236	.383	.455	.398	.539
-04	.219	.282	.298	.446	.518	.460	.602
-05	.281	.345	.361	.508	.580	.523	.664
-06	.344	.407	.423	.570	.642	.585	.727
-07	.406	.470	.486	.633	.704	.648	.789
-08	.469	.532	.548	---	---	.710	.852
-09	.531	.595	.611	---	---	.773	.914
-10	.594	.657	.673	---	---	.835	.977
-11	.656	.720	.736	---	---	.898	1.039
-12	.719	.782	.798	---	---	.960	1.102
-13	.781	.845	.861	---	---	1.023	1.164
-14	.844	.907	.923	---	---	1.085	1.227
-15	.906	.970	.986	---	---	1.148	1.289
-16	.969	1.032	1.048	---	---	---	---

TABLE II (CONT'D)

GRIP DASH NO.	GRIP LIMITS			-06 DIA		-08 DIA		-10 DIA	
	DESIGN GRIP RANGE ③		OVERLAP MAX ⑨	L REF	K MAX	L REF	K MAX	L REF	K MAX
	MIN	MAX							
-02	.094	.157	.173	.355	.521	---	---	---	---
-03	.156	.220	.236	.417	.584	.479	.645	.550	.716
-04	.219	.282	.298	.480	.647	.541	.708	.613	.779
-05	.281	.345	.361	.542	.709	.604	.770	.675	.841
-06	.344	.407	.423	.605	.772	.666	.833	.738	.904
-07	.406	.470	.486	.667	.834	.729	.895	.800	.966
-08	.469	.532	.548	.730	.897	.791	.958	.863	1.029
-09	.531	.595	.611	.792	.959	.854	1.020	.925	1.091
-10	.594	.657	.673	.855	1.022	.916	1.083	.988	1.155
-11	.656	.720	.736	.917	1.084	.979	1.145	1.050	1.216
-12	.719	.782	.798	.980	1.147	1.041	1.208	1.113	1.279
-13	.781	.845	.861	1.042	1.209	1.104	1.270	1.175	1.341
-14	.844	.907	.923	1.105	1.272	1.166	1.332	1.238	1.404
-15	.906	.970	.986	1.167	1.334	1.229	1.395	1.300	1.466
-16	.969	1.032	1.048	---	---	1.291	1.458	1.363	1.529

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TABLE III

FINISH CODE	MATERIAL ②			FINISH		
	SLEEVE	STEM	LOCK COLLAR	SLEEVE	STEM ⑧	LOCK COLLAR
NONE	CP TITANIUM PER ASTM-B348 GR.1	38-6-44 TITANIUM PER AMS 4957	A-286 CRES AMS 5737	NONE	NONE	PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
BE			A-286 CRES AMS 5737	ALUMINUM COAT PER NAS 4006 AND BMS 10-85		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
D			A-286 CRES AMS 5737 OR 316 CRES AMS 5690	IVD ALUMINUM COAT PER MIL-DTL-83488 CLASS 3, TYPE 2, PLUS CHROMATE TREATMENT PER SAE AMS-C-5541 CLASS 3		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
EE			A-286 CRES AMS 5737	ALUMINUM COAT PER NAS 4006		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
HK			A-286 CRES AMS 5737	HI-KOTE 1 PER HS294		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
W			A-286 CRES AMS 5737	BLUE ANODIZE PER ISO 8080		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
GD ⑩			A-286 CRES AMS 5737 OR	IVD ALUMINUM COAT PER MIL-DTL-83488 CL 3, TYPE II (Supplemental: MIL-DTL-5541 CL 1A TYPE II)		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE
GHK ⑩			A-286 CRES AMS 5737 OR	ALUMINUM COAT PER NAS4006, Class NC		PASSIVATE AMS 2700
			INCONEL 600 AMS 5687			NONE

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NOTES:

- ① THIS LENGTH OF "D" DIA. MAY BE .002 UNDERSIZE.
- ② MATERIAL DESIGNATION REFERS TO CHEMICAL COMPOSITION ONLY.
- ③ MECHANICAL TESTING IN THE DESIGN GRIP RANGE ONLY. INSTALLATION TESTS ARE CONDUCTED IN THE OVERLAP GRIP..
- ④ SHEAR VALUES APPLY TO -04-02 MAX, -05-03 MAX, -06-03 MAX, -08-04 MAX, AND -10-05 MAX GRIPS AND LONGER.
- ⑤ SINGLE DIGIT HEAD MARKING IS PERMISSIBLE, AT MANUFACTURER'S OPTION, FOR GRIP DASH NUMBERS LESS THAN 10.
6. WHEN LUBRICATED, PARTS SHALL BE LUBRICATED PER AS5272 TYPE 1, MIL-L-87132, OR LOX (LIQUID OXYGEN) COMPATIBLE DRY FILM LUBRICANT.
- ⑦ FASTENERS ARE SUPPLIED WITH A SHIFTING ANVIL. SHIFTING ANVIL IS SOLID OR SPLIT, MANUFACTURER'S OPTION.
- ⑧ THE BLIND SIDE BULB DIAMETER "X" IS A "LOT QUALITY CONFORMANCE" REQUIREMENT AND IT IS SUBJECT TO AQL 4.0 (SEE PROCUREMENT SPEC). THIS IS NOT A DIMENSIONAL REQUIREMENT FOR THE END USERS AS THIS PRODUCT IS LARGELY INTENDED FOR "BLIND" APPLICATIONS.
- ⑨ OVERLAP IN DESIGN GRIP RANGES MAKES FASTENER WELL-SUITED FOR COMPOSITE STRUCTURES WITH LARGE GRIP TOLERANCES.
- ⑩ FINISH CODES WITH THE PREFIX 'G' INDICATE REACH COMPLIANT COATING.

EXAMPLE OF CHERRY PART NUMBER:

CR7773 S -05 -04 W = 5/32 NOMINAL DIAMETER CHERRY® MAXIBOLT™ BLIND BOLT,
.219 MIN. GRIP, .282 MAX. GRIP, WITH BLUE ANODIZE ON SLEEVE

— SLEEVE FINISH CODE

— GRIP DASH NUMBER (MID. GRIP IN 16^{THS} OF AN INCH)

— DIAMETER DASH NUMBER (NOM. DIA IN 32^{NDS} OF AN INCH)

— TYPE ("S" INDICATES USE OF SINGLE ACTION INSTALLATION TOOL & SUPPLIED WITH SHIFTING ANVIL)

— BASIC PART NUMBER (MATERIALS AND HEAD STYLE)

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STANDARDS PAGE REVISION LOG

REV LTR	DATE	DCR NUMBER	REVISION DESCRIPTION	COMP. BY
AC	04 DEC 19	19-0677	• REWRITTEN IN WORD FROM AUTOCAD • SHEET 4 – UPDATED NOTE ⑧	AA