

FIRST DASH NO.	THREAD SIZE	A DIA.	B RAD. REF.	C	D DIA.	E DIA.	F REF.	G	H RAD.
-08	.1640-32 UNJC-3A	.309 .331	.230	.102 .088	.1635 .1630	.121 .116	.190	SEE SHEETS 2 AND 3	.010 .005
-10	.1900-32 UNJF-3A	.361 .385	.264	.118 .103	.1895 .1890	.147 .142	.219		.015 .007
-4	.2500-28 UNJF-3A	.464 .493	.320	.150 .133	.2495 .2490	.202 .197	.286		.020 .010

FIRST DASH NO.	J	L	R RAD.	RECOMMENDED SEATING TORQUE (IN.-LBS.)		ULTIMATE TENSILE STRENGTH MIN. ∇	ULTIMATE SHEAR STRENGTH MIN. ∇
				MIN.	MAX.		
-08	.065 .055	SEE SHEETS 2 AND 3	.030 .015	22	33	1,420 LBS.	1,370 LBS.
-10	.075 .065		.030 .015	37	56	2,170 LBS.	1,910 LBS.
-4	.098 .088		.030 .015	93	141	4,300 LBS.	3,520 LBS.

NOTES:

1. MATERIAL: A-286 CRES PER AMS5731 OR AMS5737.
2. HEAT TREAT: 160,000 PSI MIN. UTS.
3. FINISH (SEE CODE, NOTE 13):
 - 3.1 STANDARD: PASSIVATE PER QQ-P-35.
 - 3.2 OPTIONAL: CADMIUM PLATE PER QQ-P-416 TYPE II, CLASS 2.
- ∇ PART MARKING: HEAD OF SCREW TO BE MARKED WITH TRIDAIR SYMBOL AND 1ST, 2ND AND 3RD DASH NUMBERS. MARKING TO BE DEPRESSED .010 MAX.
5. SHANK SHALL BE STRAIGHT WITHIN .004 PER INCH OF SCREW LENGTH.
6. CONCENTRICITY:
 - 6.1 "D" DIAMETER TO THREAD PITCH DIAMETER WITHIN .006 T.I.R.
 - 6.2 RECESS TO SHANK WITHIN .016 T.I.R.
- ∇ TENSILE AND SHEAR STRENGTHS ARE CALCULATED VALUES.
8. RECESS GAGING PER MS33781.

DRAWING PROVIDES FORM, FIT AND FUNCTION DATA. DO NOT ATTEMPT TO MANUFACTURE PRODUCT USING THIS DRAWING.

DRAWN BY: V. MARINI	DATE: 6-14-89
MFG. ENGRG.:	DATE:
J. KUHN	8-8-89
APPROVED BY:	DATE:
<i>[Signature]</i>	6/21/89
APPROVED BY:	DATE:
PROJECT NUMBER	89-139

TITLE:
SCREW, CAPTIVE, MODIFIED PANHEAD, A-286 CRES, 160 KSI FTU

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
DECIMALS: .XX ± .02
 .XXX ± .010
ANGLES: 2°

MILLIMETERS
± 0.50
± 0.25

SURFACE FINISH
125 MICROINCHES

Tridair fasteners

REXNORD
SPECIALTY FASTENER DIVISION
3000 W. LOMITA BOULEVARD
TORRANCE, CA. 90505

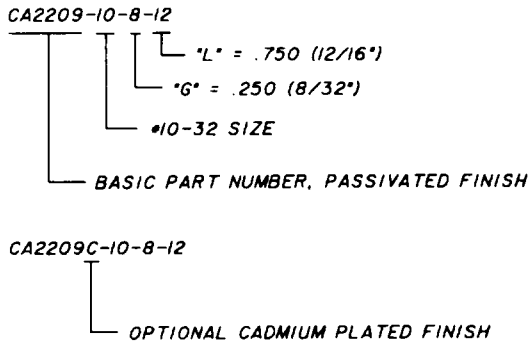
CA2209-()-()-()

FSC: 29372 SHEET 1 OF 3

ECO-22604
 VJM
 6-14-89
 N/C
 REVISION

NOTES, CONT'D.

- 9. DIMENSIONS APPLY AFTER FINISH.
- 10. MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH OF H-200 OERSTEDS. MAGNETIC PERMEABILITY INDICATOR PER MIL-I-17214.
- 11. PANEL PREPARATION AND INSTALLATION: REFER TO CAL-STD-0140, SHEET 6.
- 12. SCREW TO BE USED WITH A CA21062-() (R) RETAINING RING TO CAPTIVATE TO PANEL. SCREW MAY ALSO BE USED WITH A CA21062-() (J) W WASHER OR CA21062-() (K) S SPACER AS ALTERNATIVES TO COUNTERBORING THE TOP PANEL OR SUBSTRUCTURE FOR THE RETAINING RING.
- 13. PART CALLOUT EXAMPLES:



	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
-2-8	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-10-8	.500	
-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562	
-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625	
-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687	
-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750	
-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812	
-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875	
-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937	
-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000	
-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062	
-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125	
-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187	
-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250	
-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312	
-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375	
-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437	
-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500	
-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562	
-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625	
-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687	
-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750	


.164-32 SIZE FIRST DASH NO. -08

DRAWING PROVIDES FORM, FIT AND FUNCTION DATA. DO NOT ATTEMPT TO MANUFACTURE PRODUCT USING THIS DRAWING.

REVISION W/C

DRAWN BY: V. MARINI	DATE 6-14-89	TITLE:
MFG. ENGRG. J. KUHN	DATE 8-8-89	SCREW, CAPTIVE, MODIFIED PANHEAD, A-286 CRES, 160 KSI FTU
APPROVED BY: <i>[Signature]</i>	DATE 4/21/89	
PROJECT NUMBER 89-139	UNLESS OTHERWISE SPECIFIED: TOLERANCES: DECIMALS: .XX ±.02 .XXX ±.010 ANGLES: ±2°	MILLIMETERS ± 0.30 ± 0.25

UNLESS OTHERWISE SPECIFIED: TOLERANCES: DECIMALS: .XX ±.02 .XXX ±.010 ANGLES: ±2°	MILLIMETERS ± 0.30 ± 0.25	SURFACE FINISH 125 MICROINCHES
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REXNORD
SPECIALTY FASTENER DIVISION
3000 W. LOMITA BOULEVARD
TORRANCE, CA. 90505

CA2209-()-()-()

FSC: 29372

SHEET 2 OF 3

G GRIP										L
										LENGTH
.062	.094	.125	.156	.187	.218	.250	.281	.312		
-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9		.562
-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10		.625
-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11		.687
-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12		.750
-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13		.812
-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14		.875
-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15		.937
-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16		1.000
-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17		1.062
-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18		1.125
-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19		1.187
-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20		1.250
-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21		1.312
-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22		1.375
-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23		1.437
-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24		1.500
-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25		1.562
-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26		1.625
-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27		1.687
-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28		1.750

G GRIP										L
										LENGTH
.062	.094	.125	.156	.187	.218	.250	.281	.312		
-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10		.625
-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11		.687
-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12		.750
-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13		.812
-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14		.875
-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15		.937
-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16		1.000
-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17		1.062
-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18		1.125
-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19		1.187
-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20		1.250
-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21		1.312
-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22		1.375
-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23		1.437
-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24		1.500
-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25		1.562
-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26		1.625
-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27		1.687
-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28		1.750

DRAWING PROVIDES FORM, FIT AND FUNCTION DATA. DO NOT ATTEMPT TO MANUFACTURE PRODUCT USING THIS DRAWING.



DRAWN BY: V. MARINI	DATE 6-14-89	TITLE:
MFG. ENGRG.: J. KUHN	DATE 8-8-89	SCREW, CAPTIVE, MODIFIED PANHEAD, A-286 CRES, 160 KSI FTU
APPROVED BY: <i>[Signature]</i>	DATE 6/21/89	
APPROVED BY:	DATE	UNLESS OTHERWISE SPECIFIED:
PROJECT NUMBER 89-139		TOLERANCES: DECIMALS: .XX ±.02 .XXX ±.010 ANGLES: 42°

MILLIMETERS ± 0.30 * 0.25	SURFACE FINISH 125 MICROINCHES
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CA2209-()-()-()	FSC: 29372	SHEET 3 OF 3
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REVISION N/C