



ACCEPTABLE DESIGNS

REVIEWER: IS, ME
USER: AS, AT, AV, MC, WY

TABLE I

DASH NO.		A WIRE DIA ±.005	B INSIDE DIA ±.03	C SHANK LENGTH ±.06	D THREAD LENGTH ±.12	E OVERALL LENGTH ±.12
STEEL	BRASS	LARGE EYE, REGULAR SHANK				
501		.362	1.12	2.06	1.75	3.88
503		.306	.81	1.56	1.19	2.94
505		.262	.72	1.31	1.06	2.62
507	607	.225	.61	1.12	.88	2.25
509	609	.192	.53	.97	.75	1.94
511	611	.162	.47	.81	.62	1.62
513	613	.135	.41	.69	.53	1.38
515	615	.105	.38	.58	.44	1.19
517	617	.080	.34	.50	.31	1.06

DASH NO.		A WIRE DIA ±.005	B INSIDE DIA ±.03	C SHANK LENGTH ±.06	D THREAD LENGTH ±.12	E OVERALL LENGTH ±.12
STEEL	BRASS	SMALL EYE, REGULAR SHANK				
534	634	.225	.30	1.12	.88	1.94
536	636	.192	.27	.97	.75	1.62
538	638	.162	.23	.81	.62	1.38
540	640	.135	.22	.69	.53	1.19
542	642	.105	.19	.58	.44	.94
544	644	.080	.16	.50	.31	.81
546	646	.062	.14	.44	.31	.69
SMALL EYE, SHORT SHANK						
550	650	.080	.16	.38	.22	.69
552	652	.062	.14	.22	.19	.50

NOTES:

- MATERIAL:** Carbon steel wire in accordance with Fed. Std. No. 66, AISI 1013 thru 1022. Brass wire in accordance with QQ-W-321, alloy no. 260 or 270, half-hard.
- PROTECTIVE COATING:** Steel - Cadmium plated in accordance with QQ-P-416, Type II, Class 3. Brass - Black chemical finish in accordance with MIL-F-495.
- THREADS:** The threads shall have a wood-screw form, in accordance with the procurement specification.
- DIMENSIONS:** All dimensions are in inches.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number. Example: MS35646-501.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Wire diameters conform to American Steel Wire Gage.

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

FOR CHANGES SEE SHEET 1.

P.A. WC Other Cust 82	TITLE SCREW, EYE - STEEL OR BRASS	MILITARY STANDARD
PROCUREMENT SPECIFICATION FF-S-88	SUPERSEDES: SCBX3	MS 35646
		SHEET 1 OF 2

APPROVED 29 AUG 1955 REVISED 30 DEC 1965 22 MAR 1974

TABLE II
INTERCHANGEABILITY

The following dash numbers as given in the original issue of this standard are canceled after 30 December 1965. The canceled screw eyes should be used for maintenance purposes until existing stock is depleted. Use only the superseding screw eyes for new design.

PART NUMBER		PART NUMBER		PART NUMBER		PART NUMBER	
CANCELED	SUPERSEDING	CANCELED	SUPERSEDING	CANCELED	SUPERSEDING	CANCELED	SUPERSEDING
MS35646	MS35646	MS35646	MS35646	MS35646	MS35646	MS35646	MS35646
1	501	34	534	107	607	138	638
3	503	36	536	109	609	140	640
5	505	38	538	111	611	142	642
7	507	40	540	113	613	144	644
9	509	42	542	115	615	146	646
11	511	44	544	117	617	150	650
13	513	46	546	134	634	152	652
15	515	50	550	136	636		
17	517	52	552				

NOTE:
Canceled dash numbers 1 thru 52 are cadmium or zinc plated steel.
Canceled dash numbers 107 thru 152 are uncoated brass.

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APPROVED 29 AUG 1955 REVISED (A) 30 DEC 1965 (B) FOR CHANGE SEE SHEET 1.

P.A. WC Other Cont 82	TITLE SCREW, EYE-STEEL OR BRASS	MILITARY STANDARD MS 35646
PROCUREMENT SPECIFICATION FF-S-88	SUPERSEDES: SCRY3	SHEET 2 OF 2

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSALOMB Approval
No. 22-R255

INSTRUCTIONS: The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.

DOCUMENT IDENTIFIER AND TITLE MS35646 Rev B, Screw, Eye - Steel or Brass

NAME OF ORGANIZATION AND ADDRESS

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

 DIRECT GOVERNMENT CONTRACT SUBCONTRACT

1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID

3. IS THE DOCUMENT RESTRICTIVE?

 YES NO (If "Yes", in what way?)

4. REMARKS

SUBMITTED BY (Printed or typed name and address - Optional)

TELEPHONE NO.

DATE

DD FORM 1426
1 JAN 72

REPLACES EDITION OF 1 JAN 66 WHICH MAY BE USED