

NOTICE OF  
CANCELLATION

INCH-POUND

MS24403E  
NOTICE 2  
1 December 2010  
SUPERSEDING  
NOTICE 1  
22 April 1999

MILITARY STANDARD

CROSS, TUBE, PRECISION TYPE

MS24403E, dated 4 April 1985, is hereby cancelled. Future acquisitions for this item should refer to SAE-AS1036, "Fitting, Cross, Standard and Reducer, Flared".

(Copies of these documents are available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), [www.sae.org](http://www.sae.org).)

Reason for NOTICE 2: SAE inactivated Part or Identifying Number (PIN) with material code letter D for replacement parts and for new design to use code letter W. This is because code letter W is stronger in tensile strength than code letter D. This is based on the previous PA's revision, as a result of lessons learned. Plus to add back material code letter S for replacement parts and for new design to use code letter R. The code letter R is better for applications requiring higher temperature.

Table I provides a detailed cross-reference of cancelled MS24403E PINs and replacement SAE-AS1036 PINs.

CAUTION: The supersession information is valid as of the date of this notice and may be superseded by subsequent revisions of the superseding document.

CONCLUDING MATERIAL

Custodians:

Army - AV  
Navy - AS  
Air Force - 99  
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2010-058)

Review activities:

Army - AR, CR4  
Navy - MC, SA  
Air Force - 11, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.

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TABLE I. MS24403E to SAE-AS1036, cross-reference data.

Cancelled AN PIN	Tube Size	Replacement AS PIN	New Design	Cancelled AN PIN	Tube Size	Replacement AS PIN	New Design
MS24403-2	.125	AS1036- 02020202		MS24403-10	.625	AS1036- 10101010	
MS24403D2	.125	AS1036 D02020202	AS1036 W02020202	MS24403D10	.625	AS1036 D10101010	AS1036 W10101010
MS24403J2	.125	AS1036 J02020202		MS24403J10	.625	AS1036 J10101010	
MS24403K2	.125	AS1036 K02020202		MS24403K10	.625	AS1036 K10101010	
MS24403S2	.125	AS1036 S02020202	AS1036 R02020202	MS24403S10	.625	AS1036 S10101010	AS1036 R10101010
MS24403T2	.125	AS1036 T02020202		MS24403T10	.625	AS1036 T10101010	
MS24403W2	.125	AS1036 W02020202		MS24403W10	.625	AS1036 W10101010	
MS24403-3	.188	AS1036- 03030303		MS24403-12	.750	AS1036- 12121212	
MS24403D3	.188	AS1036 D03030303	AS1036 W03030303	MS24403D12	.750	AS1036 D12121212	AS1036 W12121212
MS24403J3	.188	AS1036 J03030303		MS24403J12	.750	AS1036 J12121212	
MS24403K3	.188	AS1036 K03030303		MS24403K12	.750	AS1036 K12121212	
MS24403S3	.188	AS1036 S03030303	AS1036 R03030303	MS24403S12	.750	AS1036 S12121212	AS1036 R12121212
MS24403T3	.188	AS1036 T03030303		MS24403T12	.750	AS1036 T12121212	
MS24403W3	.188	AS1036 W03030303		MS24403W12	.750	AS1036 W12121212	
MS24403-4	.250	AS1036- 04040404		MS24403-16	1.000	AS1036- 16161616	
MS24403D4	.250	AS1036 D04040404	AS1036 W04040404	MS24403D16	1.000	AS1036 D16161616	AS1036 W16161616
MS24403J4	.250	AS1036 J04040404		MS24403J16	1.000	AS1036 J16161616	
MS24403K4	.250	AS1036 K04040404		MS24403K16	1.000	AS1036 K16161616	
MS24403S4	.250	AS1036 S04040404	AS1036 R04040404	MS24403S16	1.000	AS1036 S16161616	AS1036 R16161616
MS24403T4	.250	AS1036 T04040404		MS24403T16	1.000	AS1036 T16161616	
MS24403W4	.250	AS1036 W04040404		MS24403W16	1.000	AS1036 W16161616	

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TABLE I. MS24403E to SAE-AS1036, cross-reference data – Continued.

Cancelled AN PIN	Tube Size	Replacement AS PIN	New Design	Cancelled AN PIN	Tube Size	Replacement AS PIN	New Design
MS24403-5	.312	AS1036- 05050505		MS24403-20	1.250	AS1036- 20202020	
MS24403D5	.312	AS1036 D05050505	AS1036 W05050505	MS24403D20	1.250	AS1036 D20202020	AS1036 W20202020
MS24403J5	.312	AS1036 J05050505		MS24403J20	1.250	AS1036 J20202020	
MS24403K5	.312	AS1036 K05050505		MS24403K20	1.250	AS1036 K20202020	
MS24403S5	.312	AS1036 S05050505	AS1036 R05050505	MS24403S20	1.250	AS1036 S20202020	AS1036 R20202020
MS24403T5	.312	AS1036 T05050505		MS24403T20	1.250	AS1036 T20202020	
MS24403W5	.312	AS1036 W05050505		MS24403W20	1.250	AS1036 W20202020	
MS24403-6	.375	AS1036- 06060606		MS24403-24	1.500	AS1036- 24242424	
MS24403D6	.375	AS1036 D06060606	AS1036 W06060606	MS24403D24	1.500	AS1036 D24242424	AS1036 W24242424
MS24403J6	.375	AS1036 J06060606		MS24403J24	1.500	AS1036 J24242424	
MS24403K6	.375	AS1036 K06060606		MS24403K24	1.500	AS1036 K24242424	
MS24403S6	.375	AS1036 S06060606	AS1036 R06060606	MS24403S24	1.500	AS1036 S24242424	AS1036 R24242424
MS24403T6	.375	AS1036 T06060606		MS24403T24	1.500	AS1036 T24242424	
MS24403W6	.375	AS1036 W06060606		MS24403W24	1.500	AS1036 W24242424	
MS24403-8	.500	AS1036- 08080808		MS24403-28	1.750	AS1036- 28282828	
MS24403D8	.500	AS1036 D08080808	AS1036 W08080808	MS24403D28	1.750	AS1036 D28282828	AS1036 W28282828
MS24403J8	.500	AS1036 J08080808		MS24403J28	1.750	AS1036 J28282828	
MS24403K8	.500	AS1036 K08080808		MS24403K28	1.750	AS1036 K28282828	
MS24403S8	.500	AS1036 S08080808	AS1036 R08080808	MS24403S28	1.750	AS1036 S28282828	AS1036 R28282828
MS24403T8	.500	AS1036 T08080808		MS24403T28	1.750	AS1036 T28282828	
MS24403W8	.500	AS1036 W08080808		MS24403W28	1.750	AS1036 W28282828	

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TABLE I. MS24403E to SAE-AS1036, cross-reference data – Continued.

Cancelled AN PIN	Tube Size	Replacement AS PIN	New Design
MS24403-32	2.000	AS1036- 32323232	
MS24403D32	2.000	AS1036 D32323232	AS1036 W32323232
MS24403J32	2.000	AS1036 J32323232	
MS24403K32	2.000	AS1036 K32323232	
MS24403S32	2.000	AS1036 S32323232	AS1036 R32323232
MS24403T32	2.000	AS1036 T32323232	
MS24403W32	2.000	AS1036 W32323232	