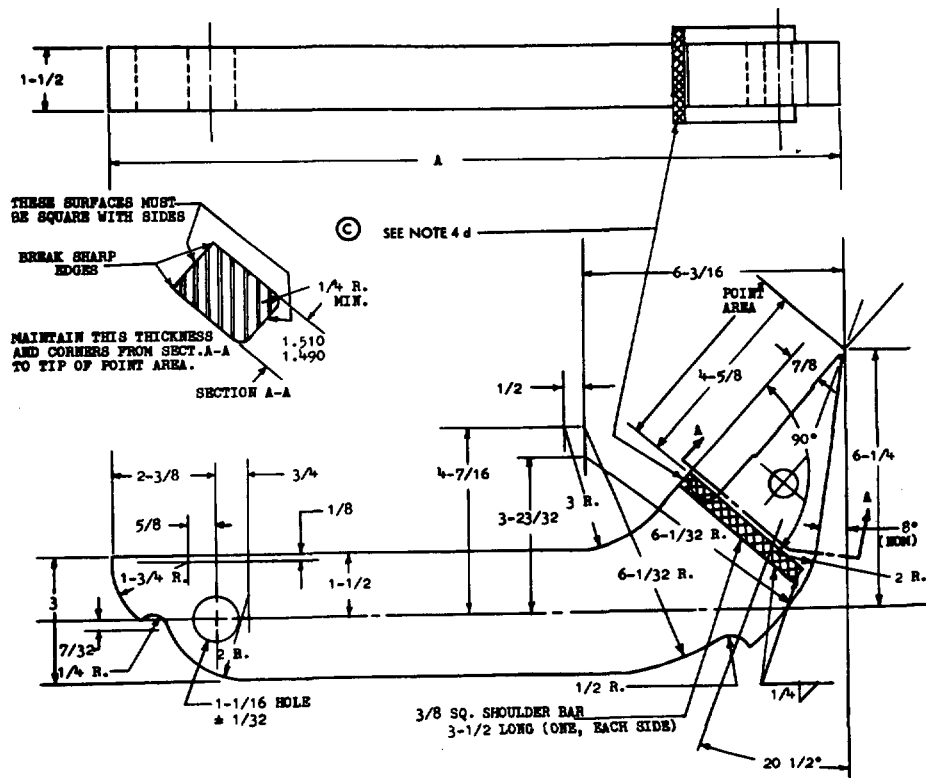


**FED. SUP CLASS**  
**3830**

ARMY - CE  
NAVY - MC



SIZE	MS PART NO.	"A"LENGTH
1	MS 39000-1	17-3/16
2	MS 39000-2	18-11/16

© FOR CHANGES SEE SHEETS 1, 2, AND 3

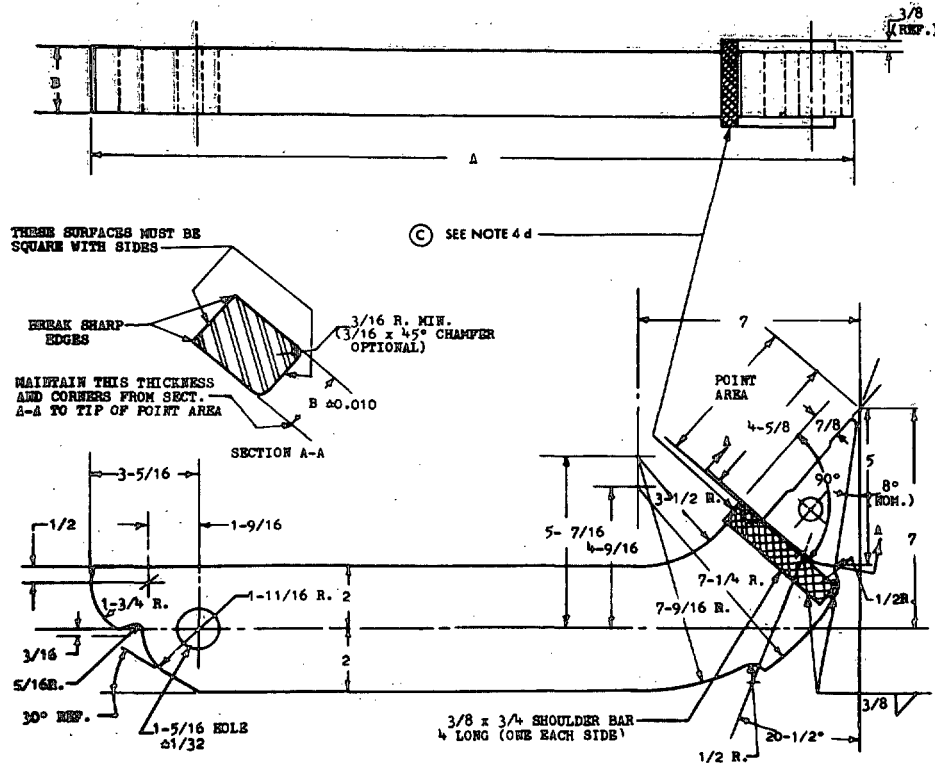
APPROVED 18 DECEMBER 1957 REVISED (A) 24 MAY 1960 (B) 11 JULY 1962 (C) 21 April 1970

THIS MILITARY STANDARD IS MANDATORY 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.

<b>P.A. ARMY- ME</b> <b>Other Cust</b> <b>AIR FORCE - 84</b>	<b>TITLE</b>  <b>SHANK, SCARIFIER, BACK-RIP, BULLDOZER</b>	<b>MILITARY STANDARD</b>
		<b>MS 39000</b>
<b>PROCUREMENT SPECIFICATIONS</b> <b>MIL-S-20706</b>	<b>SUPERSEDES:</b>	<b>SHEET 1 OF 3</b>

**DD FORM 672-1**  
1 SEP 57

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

FED. SUP. CLASS  
3830

SIZE	MS PART NO.	"A" LENGTH	"B" THICKNESS
3	MS 39000-3	24-1/8	1-1/2
4	MS 39000-4	24-1/8	2
5	MS 39000-5	25-1/4	3
6	MS 39000-6	25-1/4	3

APPROVED 18 DECEMBER 1957 REVISED (A) FOR CHANGE SEE SHEET 3 (B) FOR CHANGES SEE SHEETS 1, 2, 3 (C) FOR CHANGES SEE SHEETS 1, 2 AND 3

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P.A. ARMY-ME  
Other Cust  
AIR FORCE-84

TITLE

SHANK, SCARIFIER, BACK-RIP, BULLDOZER

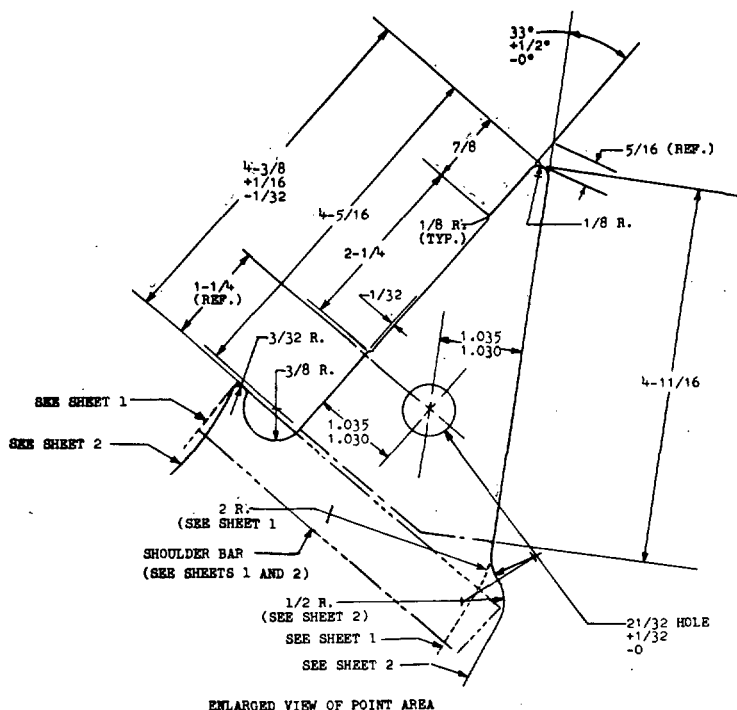
MILITARY STANDARD  
MS 39000PROCUREMENT SPECIFICATIONS  
MIL-S-20706

SUPERSEDES:

SHEET 2

DD FORM 672-1  
1 SEP 57

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

FED. SUP CLASS  
3830

(C)

## NOTES:

- MATERIAL: (a) SHANK BLANK SHALL BE MADE OF STEEL CONFORMING TO FED. STD. NO. 66, AISI 4142, AISI 8642 OR AISI 8742.  
(b) SHANK SHOULDER BARS SHALL BE STEEL CONFORMING TO QQ-S-634.
- SEE MIL-T-20705, TEETH, SCARIFIER, BACK-RIP.
- HEAT TREATMENT: SHANK SHALL BE NORMALIZED AND HEAT TREATED AFTER WELDING AND HARD FACING TO BRINNEL 302-350 (3.50-3.25MM\*) EXCEPT THAT THE POINT AREA SHALL NOT EXCEED BRINNEL 415 (3.00MM\*) (\* DIAMETER OF INDENTATION OF A 10MM BALL UNDER 3.000 KG LOAD)
- WELDING: (a) TEMPERATURE OF STEEL MUST BE BETWEEN 600° - 1,000° F. WHEN WELD IS STARTED.  
(b) WELD WITH MIL-E-18038, TYPE MIL-10016 LOW HYDROGEN (EXCEPT FOR SUBMERGED ARC WELD.)  
(c) RETARD COOLING RATE AS MUCH AS FEASIBLE.  
(d) HARD FACE SURFACES (TOP AND BOTH SIDES) MIL-E-19141, TYPE MIL-I-A2c.
- ALL DIMENSIONS ARE IN INCHES.
- UNLESS OTHERWISE SPECIFIED LINEAR TOLERANCES SHALL BE 1/16-INCH: ANGULAR DIMENSIONS 1°.
- FOR DESIGN FEATURE PURPOSE, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

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P.A. ARMY-ME Other Cust AIR FORCE-84	TITLE SHANK, SCARIFIER, BACK-RIP, BULLDOZER	MILITARY STANDARD MS 39000
PROCUREMENT SPECIFICATIONS MIL-S-20706	SUPERSEDES:	SHEET 3

DD FORM 672-1  
1 SEP 57

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 18 DECEMBER 1957 REVISED (A) FOR CHANGE SEE SHEET 3 (B) FOR CHANGES SEE SHEETS 1, 2 &amp; 3 (C) FOR CHANGES SEE SHEETS 1, 2 AND 3