

# SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J63

CAN-  
CELLED  
JUN98

Issued 1972-08  
Cancelled 1998-06

Superseding J63 MAY86

Submitted for recognition as an American National Standard

## HOLE PLACEMENT ON DOZER END BITS

1. **Scope**—The recommended practice applies to straight blade, angling blade, U blade, and semi-U blades used on earthmoving tractors per SAE J1057a up to a maximum weight of 100,000 lb (45,000 kg).
- 1.1 **Purpose**—It is the purpose of the SAE Recommended Practice to define the minimum requirements for hole replacement on Dozer End Bit Supports.
2. **References**
- 2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.
  - 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
    - SAE J749—Drawbars—Crawler Tractor
    - SAE J1057a—Identification Terminology of Earthmoving Machines

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Tractor Size by Max Wt (kg) (Ref SAE J1749)	Dozer End Bit Support Type	A	B	C	D	E, max	F, min	G, max	H	J	K, max	L	M	N	
10,000 (4500)	Z	5.0 ± 1.5	4.00	4.00	2.0 ± 1.0	1.25	4.5	2.0	0.625	--	--	--	--	--	
	Y	127 ± 8.1	101.6	101.6	50.8 ± 2.54	31.8	114.3	50.8	15.00	--	--	--	--	--	
		5.0 ± 1.5	4.00	4.00	2.5 ± 1.0	1.50	5.75	2.0	0.750	4.00	--	--	--	--	
		127 ± 38.1	101.6	101.6	63.5 ± 2.54	38.1	106.05	50.8	19.05	101.6	--	--	--	--	
40,000 (18,000)	X	5.0 ± 1.5	4.00	4.00	2.5 ± 1.0	1.50	5.75	0	1.750	4.00	--	--	--	--	
	W	127 ± 38.1	101.6	101.6	63.5 ± 2.54	38.1	106.05	0	1.750	101.6	--	--	--	--	
		5.0 ± 1.5	4.00	4.00	3.0 ± 1.0	2.0	6.25	2.0	0.750	--	7.5	--	--	--	
		127 ± 38.1	101.6	101.6	76.2 ± 2.54	50.8	158.75	50.8	19.05	--	63.5	--	--	--	
60,000 (27,000)	V	5.0 ± 1.5	4.00	4.00	3.0 ± 1.0	2.0	6.25	0	0.750	--	2.5	--	--	--	
	U	127 ± 38.1	101.6	101.6	76.2 ± 2.54	50.8	158.75	0	19.05	--	63.5	--	--	--	
		2.5 min	4.00	4.00	3.0 ± 1.0	2.0	6.25	2.0	0.750	--	2.5	1.75	--	--	
		63.50 min	101.6	101.6	76.2 ± 2.54	50.8	158.75	50.8	19.05	--	63.5	40.45	--	--	
100,000 (45,000)	T	6.0 ± 1.5	3.00	3.00	4.5 ± 1.0	2.25	7.50	2.25	1.00	5.00	--	4.00	4.00	0	
	S	152.4 ± 38.1	76.2	76.2	114.3 ± 25.4	57.15	190.5	57.15	25.40	76.2	82.55	--	101.6	101.6	0
		6.0 ± 1.5	3.00	3.00	4.5 ± 1.0	2.25	7.50	2.25	1.00	5.00	82.55	--	101.6	101.6	0
		152.4 ± 38.1	76.2	76.2	114.3 ± 25.4	57.15	190.5	57.15	25.40	76.2	82.55	40.45	101.6	101.6	0
100,000 (45,000)	R	3.00 min	4.00	4.00	6.5 ± 1.5	2.50	8.75	3.50	1.25	4.00	3.62	4.00	4.00	2.00	
	Q	76.2 min	4.00	4.00	114.3 ± 25.4	57.15	190.5	57.15	25.40	76.2	82.55	40.45	101.6	101.6	
		6.0 ± 1.5	4.00	4.00	6.5 ± 1.5	2.50	8.75	3.50	1.25	4.00	3.62	4.00	4.00	2.00	
		152.4 ± 38.1	101.6	101.6	114.3 ± 25.4	57.15	190.5	57.15	25.40	76.2	82.55	40.45	101.6	101.6	

FIGURE 1A—DOZER END BIT MOUNTING BOLT PATTERN

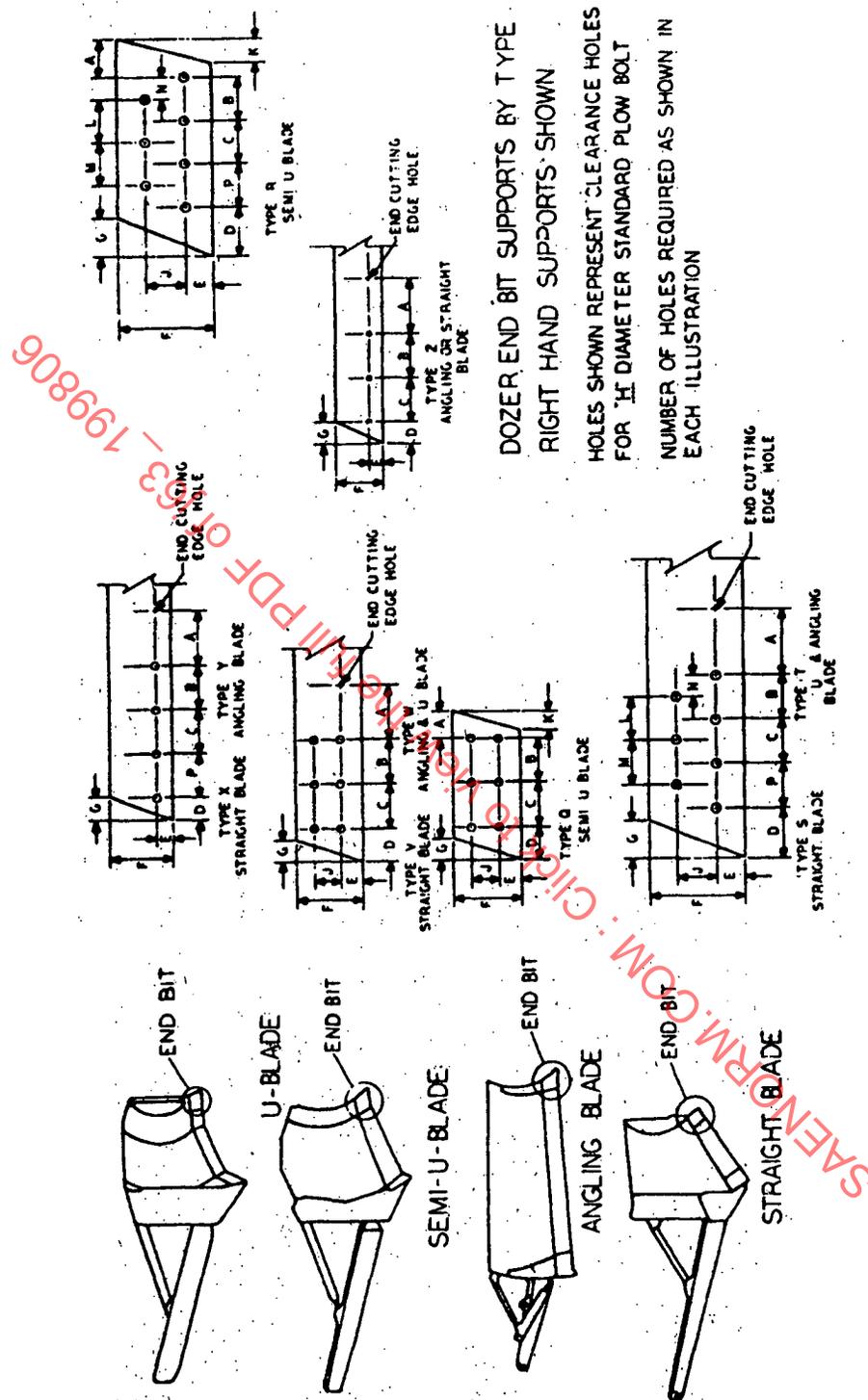


FIGURE 1B—DOZER END BIT MOUNTING BOLT PATTERN (CONTINUED)

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GROUND ENGAGING TOOLS (INDUSTRIAL)