

SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J63

**CAN-
CELLED
JUN98**

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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 (lb (kg)) (Ref SAE J1749)	Dozer End Bit Support Type	A	B	C	D	E, max F, min	G, max, H	P	J	K, max	L	M	N
10,000 (4500) 20,000 (9000)	Z	5.0 ± 1.5 127 ± 8.1	4.00	4.00	2.0 ± 1.0 50.8 ± 2.54	1.25 31.8	2.0 50.8	0.625 15.88	--	--	--	--	--
	Y	5.0 ± 1.5 127 ± 8.1	4.00	4.00	2.5 ± 1.0 63.5 ± 2.54	1.50 38.1	2.0 50.8	0.750 19.05	4.00	--	--	--	--
	X	5.0 ± 1.5 127 ± 8.1	4.00	4.00	2.5 ± 1.0 63.5 ± 2.54	1.50 38.1	0 0	11.750 29.67	4.00	--	--	--	--
	W	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
40,000 (18,000)	V	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	U	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	T	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	S	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
60,000 (27,000)	I	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	H	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	G	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	F	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
100,000 (45,000)	T	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	S	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	R	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--
	Q	5.0 ± 1.5 127 ± 8.1	4.00	4.00	3.0 ± 1.0 76.2 ± 2.54	2.0 50.8	0 0	11.750 29.67	4.00	--	--	--	--

FIGURE 1A—DOZER END BIT MOUNTING BOLT PATTERN