

# Hole Placement on Dozer End Bits — SAE J63 FEB80

SAE Recommended Practice  
Editorial Change February 1980

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Society of Automotive Engineers, Inc.  
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096



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# HOLE PLACEMENT ON DOZER END

## BITS—SAE J63 FEB80

## SAE Recommended Practice

Report of the Construction and Industrial Machinery Technical Committee, approved August 1972, editorial change February 1980.

*ed. Purpose*—It is the purpose of the SAE Recommended Practice to define the minimum requirements for hole placement on Dozer End Bit Supports.

*ed. 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).

Tractor Size by Max Wt lb (kg) (Ref SAE J749)	Dozer End Bit Support Type		A	B	C	D	E, max	F, min	G, max	H	P	J	K, max	L	M	N	
				in	mm												
10,000 (4500)	Z	in	5.0 ± 1.5	4.00	4.00	2.0 ± 1.0	1.25	4.5	2.0	0.625	—	—	—	—	—	—	
		mm	127 ± 38.1	101.6	101.6	50.8 ± 25.4	31.8	114.3	50.8	15.88	—	—	—	—	—	—	
20,000 (9000)	Y	in	5.0 ± 1.5	4.00	4.00	2.5 ± 1.0	1.50	5.75	2.0	0.750	4.00	—	—	—	—	—	
		mm	127 ± 38.1	101.6	101.6	63.5 ± 25.4	38.1	146.05	50.8	19.05	101.6	—	—	—	—	—	
	X	in	5.0 ± 1.5	4.00	4.00	2.5 ± 1.0	1.50	5.75	0	0.750	4.00	—	—	—	—	—	
		mm	127 ± 38.1	101.6	101.6	63.5 ± 25.4	38.1	146.05	0	19.05	101.6	—	—	—	—	—	
40,000 (18,000)	W	in	5.0 ± 1.5	4.00	4.00	3.0 ± 1.0	2.0	6.25	2.0	0.750	—	2.5	—	—	—	—	
		mm	127 ± 38.1	101.6	101.6	76.2 ± 25.4	50.8	158.75	50.8	19.05	—	63.5	—	—	—	—	
	V	in	5.0 ± 1.5	4.00	4.00	3.0 ± 1.0	2.0	6.25	0	0.750	—	2.5	—	—	—	—	
		mm	127 ± 38.1	101.6	101.6	76.2 ± 25.4	50.8	158.75	0	19.05	—	63.5	—	—	—	—	
	Q	in	2.5 min	4.00	4.00	3.0 ± 1.0	2.0	6.25	2.0	0.750	—	2.5	1.75	—	—	—	
		mm	63.50 min	101.6	101.6	76.2 ± 25.4	50.8	158.75	50.8	19.05	—	63.5	44.45	—	—	—	
60,000 (27,000)	T	in	6.0 ± 1.5	3.00	3.00	4.5 ± 1.0	2.25	7.50	2.25	1.00	3.00	3.25	—	4.00	4.00	0	
		mm	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	
	S	in	6.0 ± 1.5	3.00	3.00	4.5 ± 1.0	2.25	7.50	0	1.00	3.00	3.25	—	4.00	4.00	0	
		mm	152.4 ± 38.1	76.2	76.2	114.3 ± 25.4	57.15	190.5	0	25.40	76.2	82.55	—	101.6	101.6	0	
	R	in	3.00 min	3.00	3.00	4.5 ± 1.0	2.25	7.50	2.25	1.00	3.00	3.25	1.75	4.00	4.00	0	
		mm	76.2 min	76.2	76.2	114.3 ± 25.4	57.15	190.5	57.15	25.40	76.2	82.55	44.45	101.6	101.6	0	
	100,000 (45,000)	T	in	6.0 ± 1.5	4.00	4.00	4.5 ± 1.5	2.50	8.75	3.50	1.25	4.00	3.62	—	4.00	4.00	2.00
			mm	152.4 ± 38.1	101.6	101.6	114.3 ± 38.1	63.5	222.25	88.9	31.75	101.6	92.08	—	101.6	101.6	50.80
S		in	6.0 ± 1.5	4.00	4.00	4.5 ± 1.5	2.50	8.75	0	1.25	4.00	3.62	—	4.00	4.00	2.00	
		mm	152.4 ± 38.1	101.6	101.6	114.3 ± 38.1	63.5	222.25	0	31.75	101.6	92.08	—	101.6	101.6	50.80	
R		in	3.5 min	4.00	4.00	4.5 ± 1.5	2.50	8.75	3.50	1.25	4.00	3.62	2.25	4.00	4.00	2.00	
		mm	88.9 min	101.6	101.6	114.3 ± 38.1	63.5	222.25	88.9	31.75	101.6	92.08	57.15	101.6	101.6	50.80	