

Drawbars—Crawler Tractor

1. Scope—This SAE Standard provides recommended dimensions for drawbars for crawler tractors as defined in SAE J1057 (SEP88). It includes only those dimensions which will affect the attaching of towed equipment.

2. References

2.1 Applicable Publication—The following publication forms a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1057 SEP88—Identification Terminology of Earthmoving Machines

2.2 Related Publication—The following publication is provided for information purposes only and is not a required part of this document.

2.2.1 ISO PUBLICATION—Available from ANSI, 11 West 42nd Street, New York, NY 10036-8002.

ISO 6747—Earthmoving machinery—Tractors—Terminology and commercial specifications

3. Specification—The dimensions in Table 1 refer to the features shown in Figure 1. The illustrations are not intended to be exactly descriptive of any particular machine.

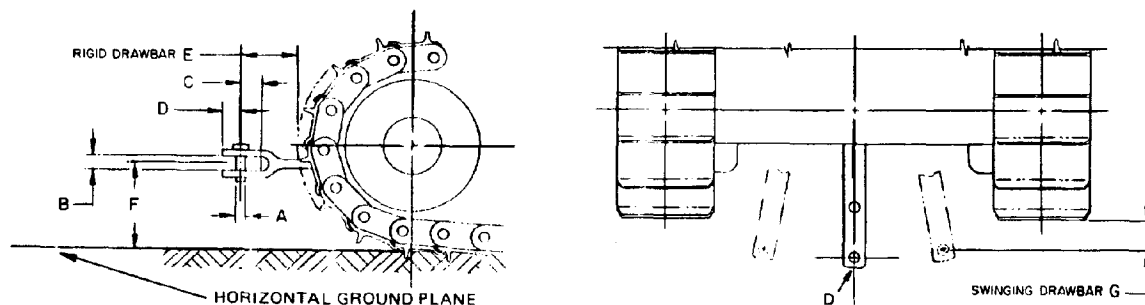


FIGURE 1—DIMENSIONS FOR CRAWLER TRACTOR DRAWBARS

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TABLE 1—DIMENSIONS FOR CRAWLER TRACTOR DRAWBARS

Tractor Mass, Max ⁽¹⁾ kg	Pin Diameter A ± 1.0 mm	Jaw Opening B Min mm	Jaw Length C Min mm	Jaw Outer Radius D Max mm	Track Arc to Pin-Rigid Drawbar E Min mm	Jaw Height F mm	Track Arc to Pin-Swinging Drawbar G Min mm
4 500	28	64	58	50	100	300–430	75
9 000	35	64	58	50	100	300–430	75
18 000	45	90	77	89	150	400–660	100
27 000	50	96	102	89	200	500–750	125
45 000	57	105	115	115	200	500–750	125
90 000	70	105	130	150	200	650–1000	125
140 000	80	105	150	200	200	800–1200	125

1. Tractor mass includes: fully serviced tractor, fuel tank full, operator mass of 80 kg, manufacturer's standard track shoe, crankcase guard, transmission guard, track roller guard, heavy-duty radiator guard, front pull hook, manufacturer's standard drawbar, and rollover protective structure.

PREPARED BY THE SAE MACHINE TECHNICAL COMMITTEE