



URBAN Bulldozer Attachment

IN THE BATTLEFIELD MINUTES COUNT

Fast engineering responses are vital. Armour Units must be able to overcome any obstacle encountered in the field - and do it quickly, efficiently and smoothly. The advanced-design Instant-on/off bulldozer attachment is an innovation-packed powerhouse capable of tackling any combat job more efficiently than ordinary bulldozer.



IQNET
CERTIFIED MANAGEMENT
SYSTEM



ISO 9001
THE STANDARDS
INSTITUTION OF ISRAEL



DESCRIPTION

The Instant - On/Of Bulldozer Attachment weighs approximately 3 1/2 tons and consists of the bulldozer blade, the main structure coupled to the tank, arms, separate electro-hydraulic power unit (10 HP, 24V DC) built in one hermetic sealed solid-state steel box connected to control box through an electrical harness cable.

NO MODIFICATIONS REQUIRED

No modifications on the tank are necessary. When the instant - On/Of Bulldozer Attachment is coupled to the tank it does not deprive it of any combat capabilities, doesn't limit any gun depression, or interfere with the drivers' field of observation. It can be easily adapted to all MBT's: M47, M48, M60, M1, Centurion, Merkava, Chieftain, AMX30, Leopard I and II, Sherman, etc.

TRANSPORTATION

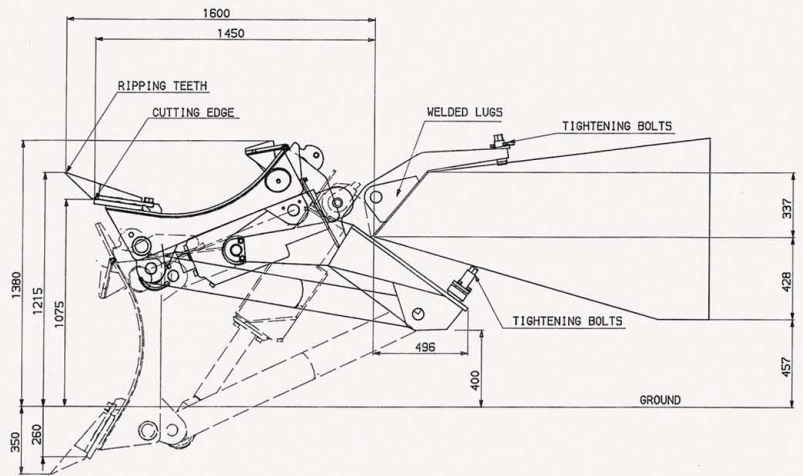
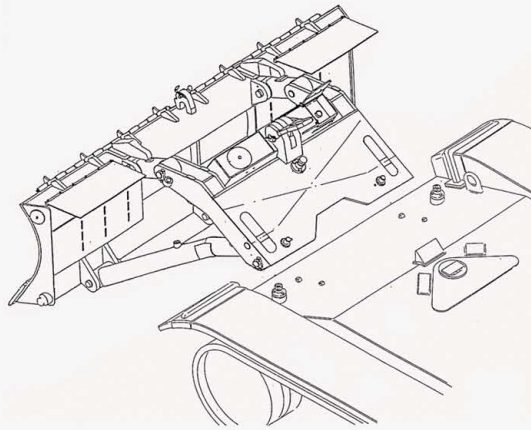
The Instant - On/Of Bulldozer Attachment can be transported to the combat area on a separate truck, several units with a tank transporter, or coupled to the tank on the tank trailer. Any 4-ton (and over) lifting device can facilitate loading or unloading.

COUPLING AND UNCOUPLING

After only a few hours of training, the tank crew is capable of operating, coupling and uncoupling the Instant On/Off Bulldozer Attachment quickly and easily. Coupling can be completed in 15 minutes with or without a lifting device; uncoupling can be done in 5 minutes.

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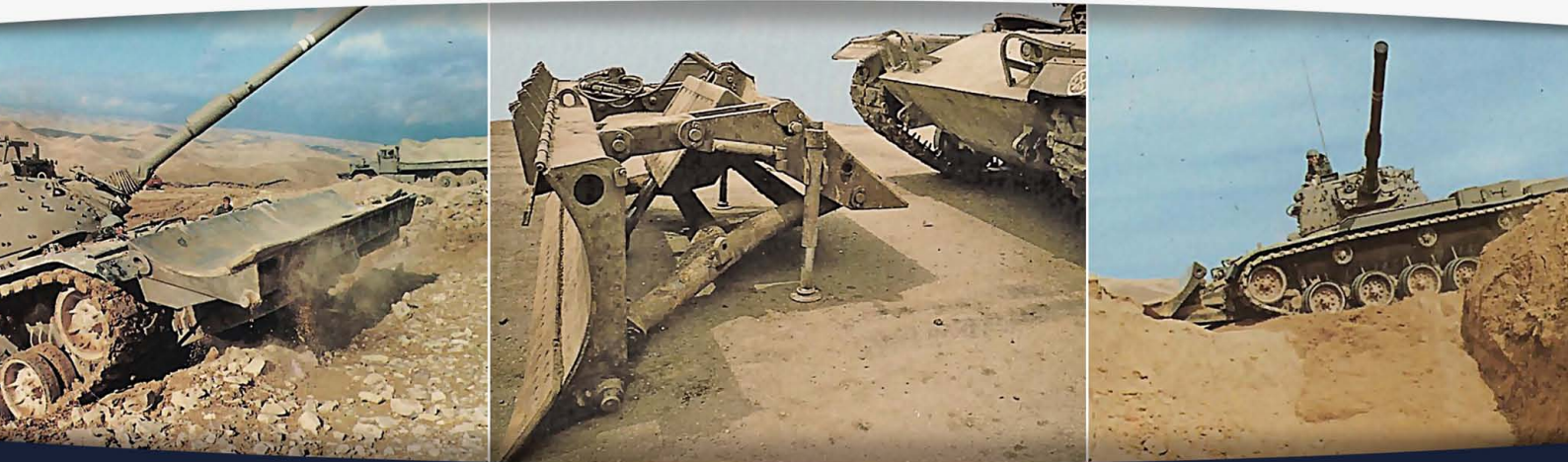
Dimensions and Sizes











OPERATION OF THE BULLDOZER ATTACHMENT







The Bulldozer Attachment is operated by the driver through the control box affixed to the steering or in any other conveniently-located area. Operational positions are: lowering, raising (up to automatic mechanical travel locking) and floating. The hydrostatic locking ability of the

bulldozer fixes it to any lowering raising position. In emergency situations, it is possible to raise and lock the blade to its mechanical travel-lock by connecting the Bulldozer Attachment to the tank-tracks with a chain and driving in reverse.



SPECIAL FEATURES UNCOMPROMISING SUPERIORITY:

-  Rapid conversion from tank to bulldozer tank in minutes.
-  The gun rotates 360° even at its lowest position with the blade at its highest position.
-  Combat-proven to tackle and overcome any earth-rooted obstacle, surface-laid mines, etc.
-  Will not interfere or deprive the tank of its compatibilities.
-  Easily operated by any tank crew with a few hours of training.
-  Operates on any terrain or soil including steep steps, slopes, terraces.
-  Will not interfere with the driver's field of observation, even when operated at its highest position.
-  Tough construction and special shock-absorbing joints, enables it to withstand vibrations caused by driving at high speeds on difficult terrain.

-  Attachment and power unit are one assembly, self-sustained; the only power dependence is by the electrical cable coupled to the tank's 24V electrical system.
-  Completely sealed design enables it to operate under water.
-  Unique configuration allows fast, safe and efficient coupling to the tank in 15 minutes and uncoupling in 5 minutes.
-  Simplified maintenance: fast and easy dismantling of the electro-hydraulic power unit; replacement takes a maximum of 10 minutes.
-  No maintenance lubrication is required (there are no lubrication points).
-  Provides almost all D-8 bulldozer Operations, obviating the need for a bulldozer tank which, generally agreed, is now obsolete.

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