



## **MODULAR CATASTROPHIC RECOVERY SYSTEM (MCRS)**

The US Army, with Tru-Hitch Inc., has fielded the Modular Catastrophic Recovery System (MCRS). This system incorporates the Fifth Wheel Towing and Recovery Device (FWTRD), which engages into the Tilt Deck Recovery Trailer (TDRT). This system provides a full range of recovery capability.

The Fifth Wheel Towing and Recovery Device (FWTRD) is equipped with a dedicated 35K winch and boom spade caps to provide a stable platform for recovery winching. The prime mover's heavy duty 45K winch can also be utilized with the FWTRD for winch recovery .

The Fifth Wheel Towing and Recovery Device (FWTRD) can lift 32,000 lbs and tow up to 150,000 lb. GCW with optimal weight distribution.

The Tilt Deck Recovery Trailer (TDRT) is capable of transporting up to 35 tons and offers high ground clearance and yet low center of gravity.

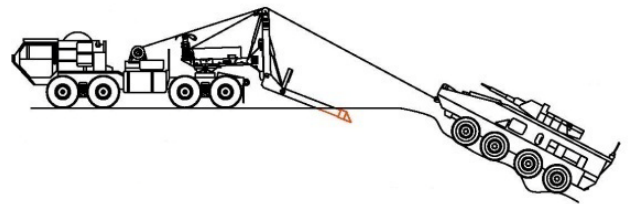


# Tru Hitch®

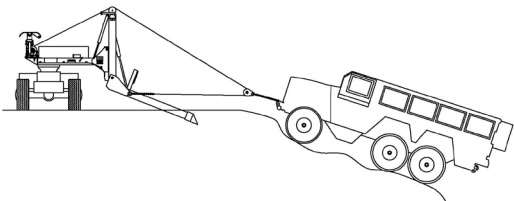
What makes the Tru-Hitch FWTRD unique is that it imposes a downward load on the prime mover at the fifth wheel rather than from behind the prime mover. Thus, towed weight is evenly distributed on all axles of the prime mover. The operator maintains safe steering and braking of the prime mover and the vehicle in tow. Because the load pivots at the fifth wheel, turning ability and off-road mobility are significantly better than that of other recovery systems. The FWTRD can be utilized independently of the Tilt Deck Recovery Trailer (TDRT) to lift tow a full compliment of wheeled vehicles, including MRAP and STRYKER.



For recovery, the FWTRD booms with boom caps, are set as spades. The winch cable is fed through a sheave mounted at the top of the FWTRD mast. This high vantage point and extremely stable platform maximize the winches capability. The prime mover's heavy duty 45K winch, the FWTRD 35K, or a combination of both winches can be utilized for straight pulls.

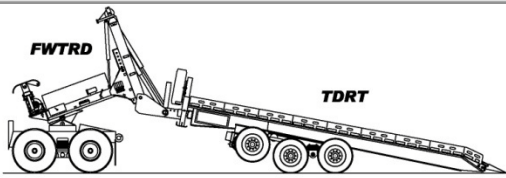


The FWTRD mounted 35K winch allows for recovery of vehicles at 90° to the prime mover.

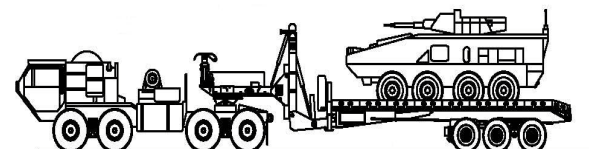
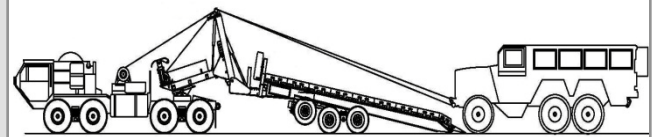




The FWTRD engages into the Tilt Deck Recovery Trailer (TDRT). The axles of the TDRT slide forward allowing the bed to tilt to the rear for loading. Deck width is expandable from 102" to 114" to accommodate wider vehicles.



Disabled vehicles are winched onto the TDRT deck. The TDRT deck is specifically designed for severe service.



With the TDRT axles slid to transport position, the load is safely moved. Recover, Lift-Tow, Transport. The Modular Catastrophic Recovery System (MCRS) performs the full range of recovery functions.







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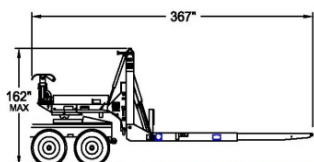
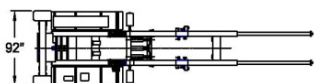
**XM20 FWTRD – NSN 2510-01-560-3567**

**XM1250 TDRT – NSN 2330-01-596-6932**

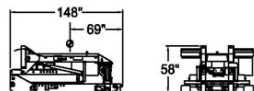
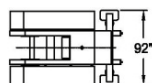
**FIFTH WHEEL TOWING & RECOVERY DEVICE (FWTRD)**  
**MODEL XM20**

**SPECIFICATIONS**

Curb Weight: 11,470 lbs (5,214kg) (w/ Bll)	Operation: Electric/Hydraulic, 12 / 24Volt Solenoid / Manual Valves
Lift Capacity: 32,000 lbs (14,550 kg)	Hydraulics:
Gross Combined Weight (GCW): 150,000 lbs	Self Contained: 3,000 psi max, 18 gal cap.
Length: (68,180 kg)	Wet Line Provision
On Ground, Fully Extended: 367" (9320 mm)	Air Lines: Glad Handles
Transport Configuration: 148" (3760 mm)	Paint: CARC - Green, Desert Sand
Width: 92" (2340 mm)	Lighting: 12V / 24V
Height:	Tie Downs: (12) D-rings
Towing Configuration: 162" max (4115 mm)	Air Transportability: C130 Deployable
Transport Configuration: 58" (1470 mm)	Interchangeable King Pin: 2" or 3.5"
On Ground: 113" (2870 mm)	
Speeds:	<u>Accessories:</u>
Transporting:	Tool Box
Highway, Improved Roads: 50 mph (80 kph)	Eight Cribbing Blocks
Unimproved Roads: 50 mph (80 kph)	Steel Fenders
Towing:	Light cord
Highway, Improved Roads: 50 mph (80 kph)	Hand Held Control
Unimproved Roads: 35 mph (56 kph)	Tow bar Adapters
Off Road: 25 mph (40 kph)	Wheel Stops
Recovery Winch: 35,000 lbs (15,900 kg)	Chain & Binder Kit
Boom Winch: 18,000 lbs (8,180kg)	Carwell
	Recovery Sheave
	Lav/Stryker Tow Adapters



**TOWING CONFIGURATION**



**SHIPPING CONFIGURATION**

**TILT DECK RECOVERY TRAILER (TDRT)**  
**MODEL No. XM1250**

**SPECIFICATIONS**

CAPACITY: 35 TON	FRAME: TUBULAR STRUCTURE
DECK HEIGHT: 51"	FLOOR: SOLID FLOOR - WEAR RESISTANT
WIDTH: 102" - 114"	SUSPENSION: FONTAINE, HUTCH 900-50
OVER ALL DECK LENGTH: 28.5 FT	OVERSLUNG AXLES AND TRUNNION
USABLE DECK LENGTH: 25 FT	AUXILIARY AIR LIFT AXLE
WEIGHT: 27,980 lbs (less FWTRD)	TIE DOWNS: D-RINGS
LOAD ANGLE: 10°	PAINT: CARC GREEN
HIGH MOBILITY: MEETS 15° RORO RAMP REQUIREMENT	LIGHTING: 12V / 24V
C130 DEPLOYABLE	WHEELS: STEEL DISC HUB PILOTED
	TIRES: 275/70R 22.5
	HUBS: 10 HOLE HUB PILOTED
	MUD FLAPS: BLACK OEM

