

DOLLY CONVERTER, HEAVY, TANK/PLANT TRANSPORTER, MC4

DATA SUMMARY

This instruction is authorised for use by command of the Chief of Army. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with EMEI General A 001.

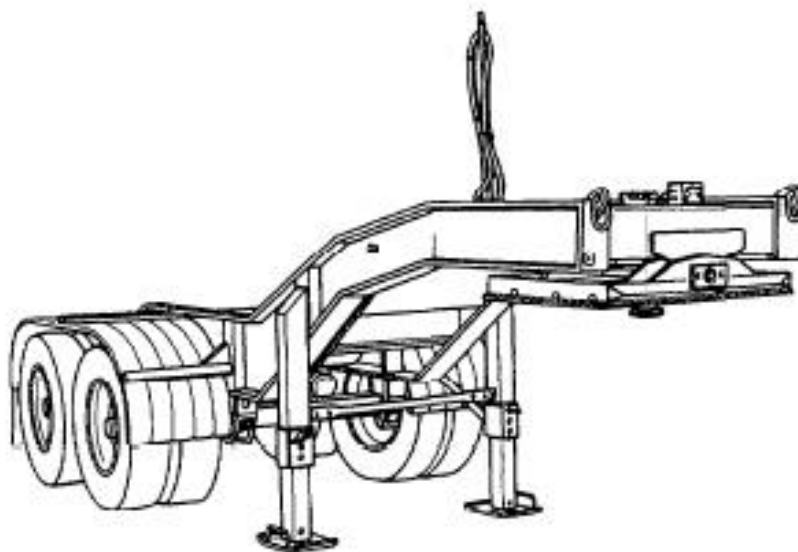


Figure 1 Dolly Converter, Heavy, Tank/Plant Transporter, MC4

General

1. This EMEI lists basic data for the Dolly Converter, Heavy, Tank/Plant Transporter, MC4, as shown in Figure 1. Data Summary for Semi-Trailer, Heavy, Tank/Plant Transporter, MC4, Haulmark, refer [EMEI Vehicle H 860](#).

2. **Role.** The role of this equipment is to transport heavy armoured vehicles and engineer plant.

3. **Dimensions:**

- a. Length:
 - (1) Dolly Converter 5 745 mm
 - (2) Trailer and Dolly Converter 19 260 mm
- b. Overall Width 2 500 mm
- c. Overall Height 3 950 mm
- d. Track 1 816 mm
- e. Ground Clearance 240 mm
- f. Limiting Feature Frame member
- g. Shipping Volume
 - (1) Dolly 63.6 m cubed

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- (2) Trailer and Dolly 213 m cubed
4. **Mass:**
- a. Unladen:
- (1) Axles 2 800 kg
- (2) King Pin 940 kg
- (3) Total 3 740 kg
- b. Dolly Converter and Trailer Combination, Unladen:
- (1) Trailer Axles 10 800 kg
- (2) Dolly Converter Axles 5 500 kg
- (3) Dolly Converter King Pin 3 400 kg
- (4) Total 19 700 kg
- c. Maximum Uniformly Distributed Payload (Trailer & Dolly Converter) 48 050 kg
- d. Design Limit Loading (Trailer & Dolly Converter) 55 000 kg
5. **Wheels and Tyres:**
- a. Wheels 8.25 x 22.5 tubeless
- b. Tyre Size 275/70 R22.5 by 16 ply Ohtsu R 1800
- c. Tyre pressure (Cold):
- (1) Laden 800 kPa
- (2) Unladen 700 kPa
6. **Axles:**
- a. Manufacturer Dana/Spicer
- b. Type D22, single tubular beam
7. **King Pin:**
- a. Manufacturer Holland Hitch
- b. Type 90 mm, bolt-in
8. **Suspension:**
- a. Manufacturer Engineered Transport Equipment
- b. Type T4U tandem
9. **Electrical system:**
- a. Type 12 V dc
- b. Connector 12 pin NATO
10. **Brakes:**
- a. Foundation Dana/Spicer
- b. Type D22, internal expanding twin shoe, S cam actuated
- c. Size 16.5 x 7 in
- d. Parking Spring brakes on all wheels
- e. Control System:
- (1) Type Twin line, compressed air
- (2) Manufacturer Westinghouse

- 11. Fifth Wheel:**
- a. ManufacturerHolland Hitch
 - b. Type 40 – IZ
- 12. Lubricants:**
- a. Chassis XG-291
 - b. Hydraulics Hydraulic fluid, Grade 68
 - c. Brake Control Valves XG-315
- 13. Manufacturer's Details:**
- a. Manufacturer:
Haulmark Trailers (Australia)
1848 Ipswich Rd
ROCKLEA QLD 4108

Phone: (07) 3277 3666
Fax: (07) 3277 0296
 - b. Australian Distributor:
Haulmark Trailers (Australia)
36 Riverside Rd
CHIPPING NORTON NSW 2170

Phone: (02) 9755 3877
Fax: (02) 9755 2320
- 14. Point of Contact:**
- CGSVSPO, Hvy/Mdm B Vehicles Section
DMO
DPM-7 Defence Plaza Melbourne
661 Bourke St
MELBOURNE VIC 3000
- 15. Associated Information:**
- a. NSN – Dolly Converter 2330-66-135-0954
 - b. SGIC 2330-0058
 - c. RPS 02217
 - d. ILSI ALI MM 10-1
 - e. Technical Description [EMEI Vehicle H 982](#)
 - f. Light Grade Repair [EMEI Vehicle H 983](#)
 - g. Medium Grade Repair [EMEI Vehicle H 984-1](#)
 - h. Servicing Instruction [EMEI Vehicle H 989](#)

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END

Distribution List: **VEH H 07.0 – Code 1** (Maint Level)
(Sponsor: CGSVSPO, Mdm/Hvy B Vehicle Section)