



Queensland
Government
Office of Industrial Relations
Workplace Health and Safety Queensland

Certificate of Registration of Plant Design

Design Registration Holder

Terex Australia Pty Ltd

Business/trading name/s
If the organisation (above) is trustee for a trust, include the name of trust here.

ABN 8 6 0 1 0 6 7 1 0 4 8

Is the applicant the (mark one of the following)

Owner ☐ Designer ☐ Manufacturer ☒ Importer ☐ Supplier ☐

Principal business address (should be a Queensland address and not a PO box):

Unit number / Street number / Street name 585 Curtin Ave East
Suburb Eagle Farm State QLD Postcode 4009

Details of Plant

Description of plant	Pick & Carry Mobile Crane
Name of manufacturer	Terex Australia Pty Ltd
Manufacturer's model number	AT 40
Published technical standard(s) or engineering principle(s) used for the design	AS1418.5-2013
Representational drawing title	Layout Crane AT 40
Representational drawing number Revision number or date	T149900 Rev 0

Tower crane, mobile crane, gantry crane or bridge crane

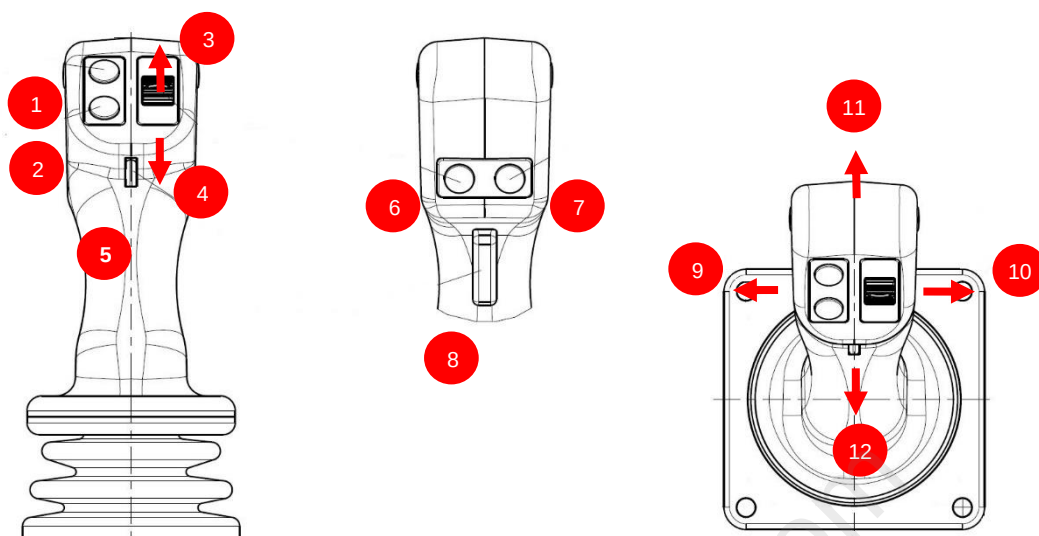
Maximum rated capacity (in tonnes or kilograms) 40,000 kg	Maximum boom length (in metres) 19.8	Maximum radius (in metres) 15.7	Maximum freestanding height (in metres) 20.5
Load chart number T156318	Auxiliary hoist capacity (if fitted) (in tonnes or kilograms) -	Maximum span (in metres) 12.6	Maximum hook height above ground (in metres) 19.0

Confirmation of design registration

This is to advise that the above plant design has been registered in accordance with the *Work Health and Safety Regulation 2011*. Each unit of plant manufactured and supplied to this design should be permanently and legibly marked with the plant design registration number below.

Plant design registration number Q 30274	Registered by Heath Brock	Date 4/12/2018
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5.6.5.13 Movement Speed Page

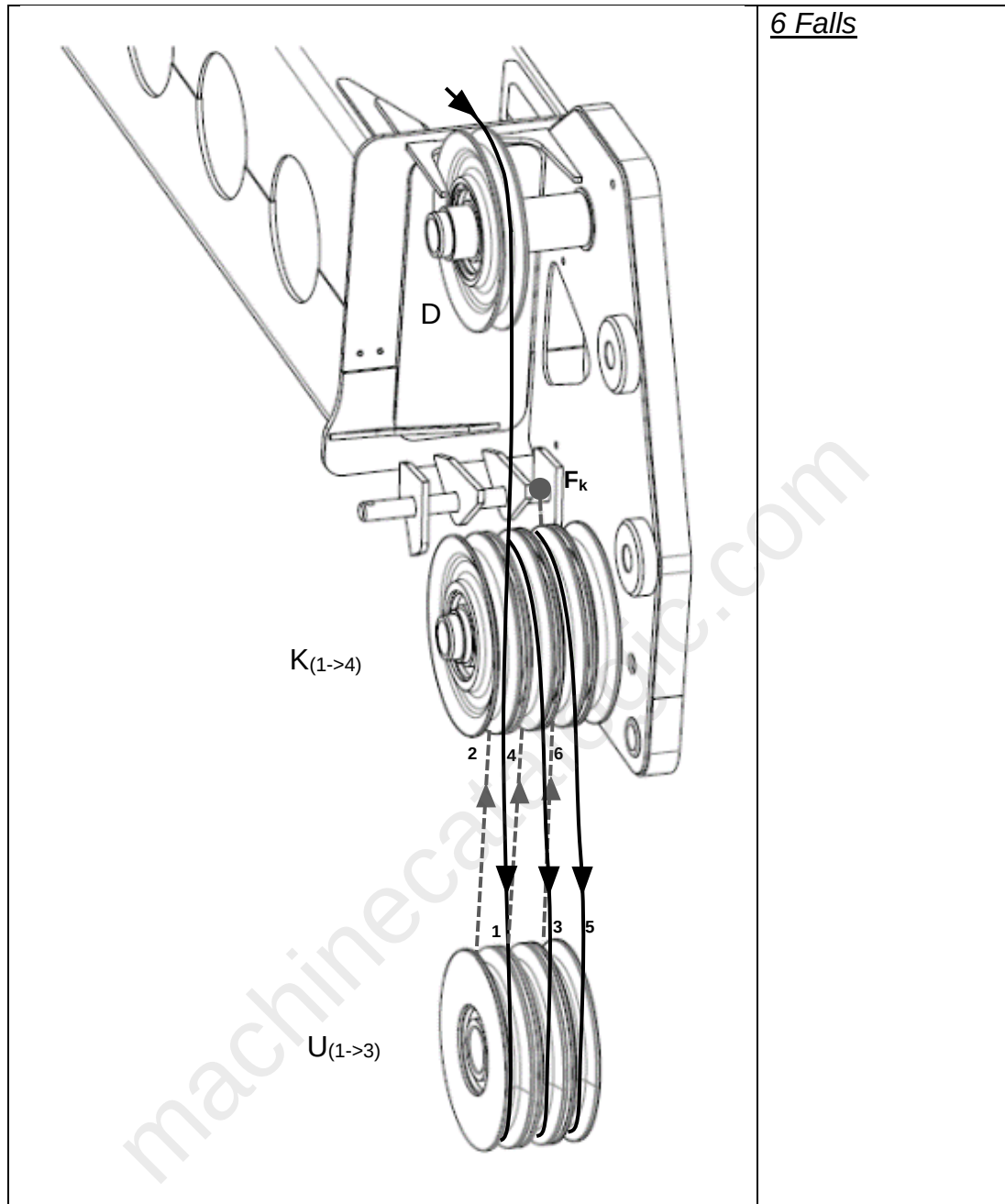


1. Plus (Speed Selection Menu)
2. Minus (Speed Selection Menu)

7. Winch / Luff Speed Selection Menu

Press the winch / luff speed selection button. The percentage page is displayed. A displayed percentage value and therefore speed, can be changed as follows:

1. Select the crane movement to be changed using the left button. The crane movement value that can be changed has a yellow background.
2. Change the speed by percent using the plus and minus buttons. The value is reduced or increased. The minimum value that can be set is 20%.
3. The screen disappears after 5 seconds of no adjustment.



6 Falls

Fall	Instruction
2	Run rope over 'D', to K1 and down to U1 hook block sheave. Run rope over U1 up to K2
4	Run rope over K2 and back down to U2 Run rope over U2 up to K3
6	Run rope over K3, down to U3, and back up to tie-off at F _k .

9 . Physical and chemical properties

Physical state	Liquid.
Colour	Brown.
Odour	Not available.
Flash point	Open cup: 220°C (428°F) [Cleveland.]
Vapour pressure	Not available.
Vapour density	Not available.
Viscosity	Kinematic: 131.1 mm ² /s (131.1 cSt) at 40°C Kinematic: 15.97 mm ² /s (15.97 cSt)
pH	Not available.
Boiling point / range	Not available.
Melting point / range	Not available.
Pour point	-39 °C
Relative density/Specific gravity	Not available.
Density	875.7 kg/m ³ (0.876 g/cm ³) at 15°C
Solubility	insoluble in water.

10 . Stability and reactivity

Stability	The product is stable.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame).
Incompatibility with various substances/Hazardous Reactions	Reactive or incompatible with the following materials: oxidising materials.
Hazardous decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide

11 . Toxicological information

Effects and symptoms	
Eyes	No significant health hazards identified.
Skin	No significant health hazards identified.
Inhalation	No significant health hazards identified.
Ingestion	No significant health hazards identified.
Chronic toxicity	
Carcinogenic effects	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC), the European Commission (EC), or the National Occupational Health and Safety Commission (Australia).
Mutagenic effects	No known significant effects or critical hazards.

12 . Ecological information

Ecotoxicity	Not classified as environmentally hazardous in accordance with the 'Approved Criteria for Classifying Hazardous Substances' [NOHSC (1008)/2004 as amended and adapted].
Biodegradability	
Persistence/degradability	The biodegradability of this material has not been determined.
Mobility	Spillages may penetrate the soil causing ground water contamination.
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.
Other ecological information	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13 . Disposal considerations

Disposal considerations / Waste information	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Special Precautions for Landfill or Incineration	No additional special precautions identified.



RISK ASSESSMENT

F. HAZARDS WHEN ARTICULATING

RISK CONTROLS & GENERAL PRECAUTIONS

- | | |
|---|---|
| F1. Collision with people or objects when articulating. | F1. Check that the area is clear of obstructions before articulating. |
| F2. Damage to the boom and tip over of the crane from centrifugal forces caused by rapid articulation and stopping with a suspended load. | F2. Always be aware of the centrifugal forces when articulating. Articulating rapidly with a suspended load increases the working radius and could cause an overload that could tip over the crane. If the articulation is stopped abruptly, the inertia of the suspended load will cause it to swing uncontrollably and impose higher loads on the boom. Do not articulate rapidly or stop abruptly as this could lead to tip over and/or damage to the boom. This problem will get worse with longer boom lengths and higher boom angles. |

Full Version Available

Franna AT-40 Pick and Carry Crane Operator Manual

Franna AT-40 pick and carry crane operator manual covering controls, safe operation, setup and daily checks. 366-page English PDF. Instant PDF download.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/franna-at-40-pick-and-carry-crane-operator-manual/>

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