ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L711485 - JIB AND DAVIT CRANES

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2.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Corrected Attribute Name Corrected PD Values Asset Tag Identification Section Updated
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4.0	25-Feb-2015	[redacted]	[redacted]	[redacted]	Class Change
5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 4
2.1 Example Images 5
3 Attributes 6
3.1 Generic Attributes 6
3.2 Class Specific Attributes 6
4 Performance Data 8
5 Labelling 8
6 Other Information 8
7 Reference Material 8
8 Crossrail Technical Approvals 9

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1 Introduction

1.1 Asset Details

Class Code: L711485

Class Name: Jib and Davit Cranes

Class Lineage: Construction Products>Services>Supply/storage/distribution of liquids and gases>Water and general supply/storage/distribution>Pumps for water supply/storage/distribution>Lifting equipment>Jib and Davit cranes

1.2 Description

Jib and Davit cranes provide a mechanism to lift and lower objects and move them laterally within an arc created by the jib arm moving around its supporting member. The crane consists of a moveable hoist attached to a horizontal beam (jib or boom). The horizontal beam is mounted at one end to a wall or pillar in such a way that it can rotate laterally through a given angle. The angle through which the beam can move and the ability for the hoist to move along the beam provides the jib crane's movement. The hoist enables objects to be lifted or lowered.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

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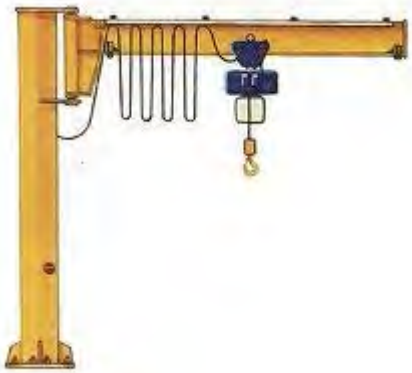
2.1 Example Images



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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Cable Length (Metres)	Metres	NU	2		The total length of the lifting cable
Diameter (Metres)	Metres	NU	2		Diameter of the support mast
Is Powered		PD		Yes No	Whether the jib crane is controlled through a control panel and electricity (powered) or manually controlled using a winch and pulley (unpowered)
Jib Length (Metres)	Metres	NU	2		Horizontal length of the jib measured from the support the jib is attached to.
Jib Maximum Height (Metres)	Metres	NU	2		Maximum height of the bottom of the jib above the floor
Maximum Load (Kilograms)	Kilograms	NU	0		The maximum lift from the end of the jib.
Movement Radius (Degrees)	Degrees	NU	0		Angle through which the jib can rotate around its support

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Power Requirement (Kilowatts)	Kilowatts	NU	0		The hoist power requirements
Total Maximum Height (Metres)	Metres	NU	2		Maximum height of the total jib crane above the floor

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Systemwide Mechanical & Electrical Lead Engineer	19-Sep-2014

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