

SAFETY ALERT

High Risk Licence Requirements for Vehicle Loading Cranes

A high risk licence is required to operate a VLC with a capacity of 10 metre tonnes or more. This HRWL also allows basic load estimation and slinging techniques to load and unload the vehicle on which the crane is mounted to the ground. However, if the VLC is being used to move the load from the vehicle to an elevated loading bay then a Dogger should also be provided on the loading bay.

VLC's of less than 10 metre tonnes don't require the operator to have a HRWL but if all of the slings and lifting systems haven't been provided by a person with a HRWL then the operator needs to be a Dogger.

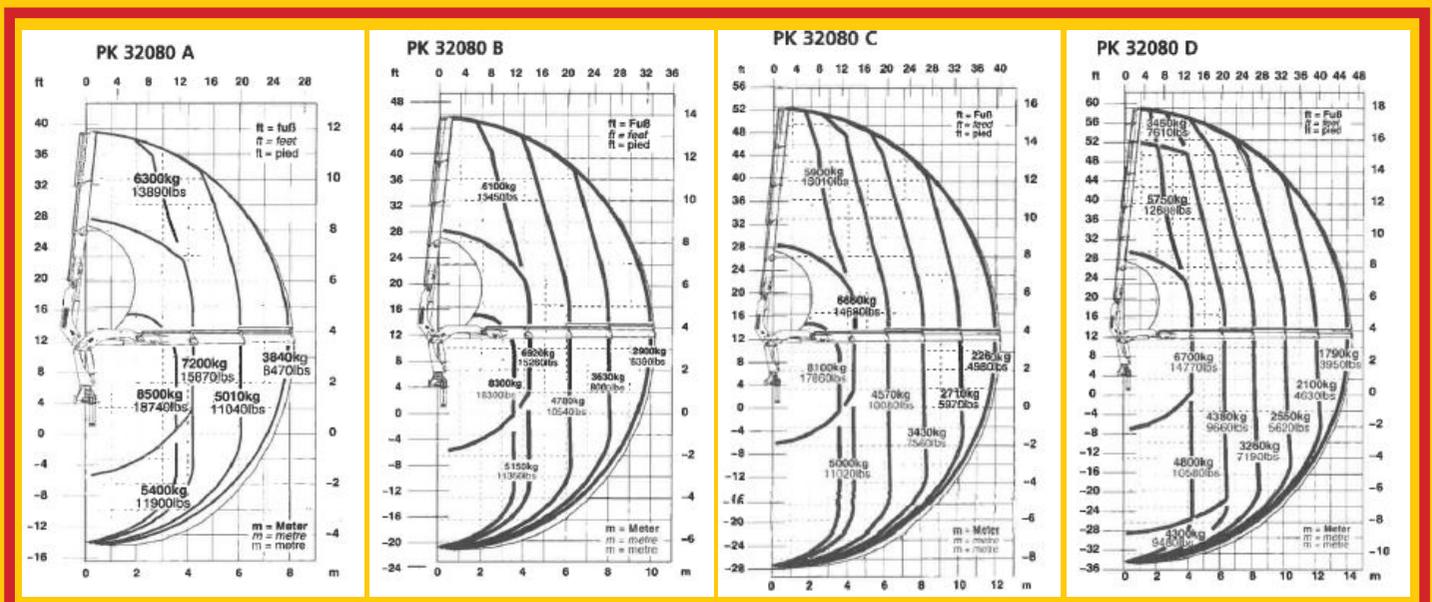
To calculate a VLC maximum capacity in metre tonnes - multiply the load (in tonnes) at a given radius by the radius (in metres). If its close to the 10 figure, pick a couple of examples for each chart - say at maximum and a minimum radius.

See examples below.

Example (1): Palfinger 6501. At 3.5 m the chart says 1.68 tonne can be lifted. $3.5 \times 1.68 = 5.88$ metre tonnes - well under 10 metre tonnes - don't need to do another calculation - no HRWL required.

Example (2): Palfinger 32080A. At 8 m the chart says 3.84 tonne can be lifted. $8 \times 3.84 = 30.72$ metre tonnes - well over 10 metre tonnes - don't need to do another calculation - HRWL is required.

Only when a VLC has a maximum rated capacity of more than 10 tonnes (not 10 metre tonnes) does the crane require registration as a mobile crane. And only when the VLC has a maximum rated capacity of more than 10 tonnes is a major 10 year inspection mandated by Regulation. In reality very few VLC's have maximum rated capacity in excess of 10 tonnes (i.e. less than 5 percent).



PK 6501 C



m		<u>3.5</u>	<u>5.3</u>
kg	max. 3300	1680	1120

PK 6501 A



m		<u>3.6</u>	<u>5.4</u>	<u>7.2</u>
kg	max. 3200	1600	1040	770

PK 6501 B
V1, V2



m		<u>3.7</u>	<u>5.5</u>	<u>7.3</u>	<u>9.2</u>	<u>11.2</u>	<u>12.8</u>
kg	max. 3150	1520	970	700	550	400	220

PK 6501 C
V1



m		<u>3.8</u>	<u>5.6</u>	<u>7.4</u>	<u>9.3</u>	<u>11.1</u>	<u>12.7</u>
kg	max. 3100	1140	910	640	490	410	220