

WHICH LASHING CHAIN FOR WHICH LOAD?

ICE sets the benchmark in lashing chain technology.

Use our RUD Lashing Calculator to determine the best chain for your load.

1



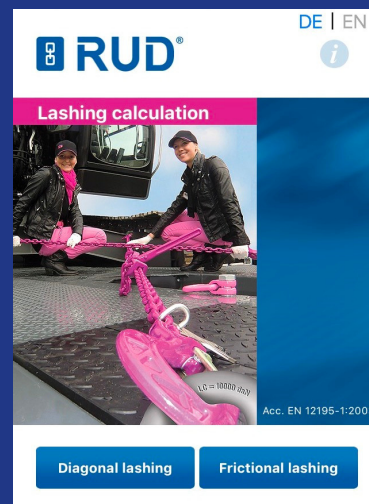
DOWNLOAD THE RUD LASHING APP

Search and download the RUD Lashing Calculation App on App Store or Google Play.

2

CHOOSE DIAGONAL OR FRICTIONAL LASHING

Diagonal Lashing is most common so these instructions provided are for the diagonal lashing. For instructions on the frictional lashing calculations please contact RUD Chains



3

RUD Diagonal lashing calculation

STEP 1 > STEP 2 > RESULT

What is the mass of the load, which has to be prevented from sliding?

Mass in kg **G**

Which transport means will be used?

Transport means

Truck Railway Ship

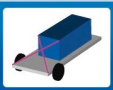
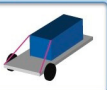
Which dynamic friction factor will be determined?

Dynamic friction factor

0,01 ?

Which lashing arrangement is intended?

Lashing arrangement

Enter the Mass of your load (in kg)

Select how you will be transporting the load

Enter Dynamic friction factor between load and transport contact materials Press ? button for examples for dynamic friction factors at different surface pairings

Select what type of lashing arrangement is required.

4

Either enter the known angle or select the blue angle measurement and hold your phone near the vertical lashing chains to measure the angle and press lock position and then accept value .

Either enter the known angle or select the blue angle measurement and use the picture to determine the horizontal angle by leaning the edge on picture parallel against frame of transport vehicle

OR

Enter the distances of the lashing points at a) b) and c) as shown (press picture for details)

Select blue Calculate button to go to the next step once values have been entered.

RUD Diagonal lashing calculation

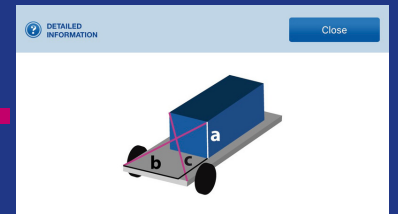
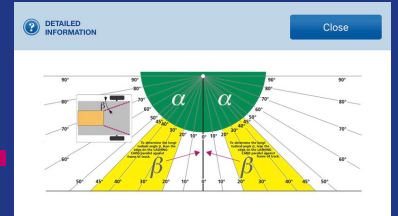
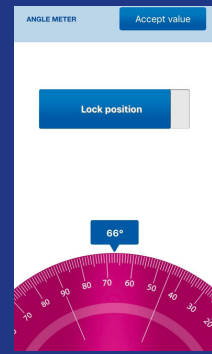
STEP 1 > **STEP 2** > RESULT

What is the vertical angle between the chain strand and platform?
Vertical angle in °
45

and the horizontal angle between the chain strand and driving direction?
Horizontal angle in °

or
enter distances of the lashing points:
a b c

Calculate



5

RUD Diagonal lashing calculation

STEP 1 > STEP 2 > **RESULT**

4 pieces of lashing means are required, each with a LC of 459 daN

LC in driving direction = 459 daN
LC contrary to driving direction = 229 daN
LC across driving direction = 229 daN

We recommend following lashing chains:

Nominal chain diameter [mm]	Type	LC [daN]
6	ICE-VSK-6-CURT-SL	3600
6	ICE-VSK-6-CURT-IVH	3600
8	ICE-VSK-8-CURT-SL	6000

This is the result screen which shows the amount of lashing required and in which direction. This screen also shows the recommended RUD lashing products with several options.

The result from this App is only intended as a guide to assist in calculating your load lashing requirements and is dependent on the information provided and should be checked by a competent person.

For further information or assistance please contact the RUD technical department.
Contact RUD on 07 3809 1300 email info@rud.com.au to talk to a RUD specialist.

Head Office: Brisbane

12 Commerce Place Larapinta QLD 4110
Tel: +61 7 3809 1300 Fax: + 61 7 3809 1301
ABN 74 010 547 949

WA Office: Perth

107 Broadway BASSENDEAN WA 6054
Tel: +61 8 6278 1788 Fax: +61 8 6278 4788
Web: www.rud.com.au Email: info@rud.com.au

