



LOAD CAPACITIES SKL330

RAMPA®-Inserts Type SKL330 according to ETA 12/0481 for Glulam as well as CLT floor elements

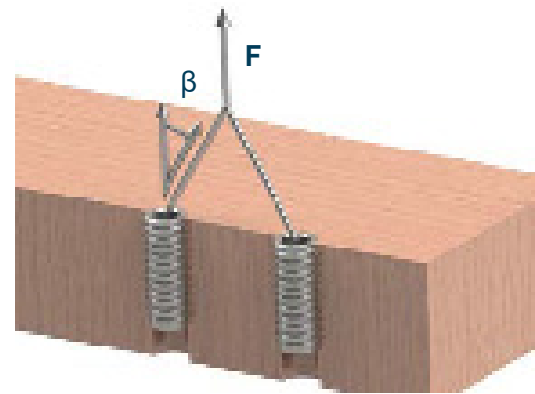
Load capacity 2-strand

Calculated partial safety factors:

- ⇒ Variable loads $\gamma_m = 1,5$
- ⇒ Building material properties $\gamma_q = 1,3$

RAMPA®-Inserts | Type: SKL330

Art. No.	Insert size	Lifting angle β° Load capacity kg 0°	Lifting angle β° Load capacity kg 30°
4218406	16 x 40	400	346
4218506	16 x 50	508	438
4211406	18,5 x 40	462	400
4211506	18,5 x 50	585	508
4211706	18,5 x 70	838	723
4211806	18,5 x 80	962	831
4211006	18,5 x 100	1208	1046



Load table based on ETA 12/0481 of RAMPA GmbH & Co. KG. Read ETA 12/0481 before execution.

Please use RAMPA®-Inserts type SKL330 exclusively as described in ETA 12/0481.

Before execution, all calculations must be checked and approved by the responsible planner. The values given in the tables take a vibration coefficient $\phi_2 = 1,3$ according to DIN EN 1991-3 into account. For deviating vibration coefficients, the table values must be divided by the respective vibration coefficient of the lifting equipment.

If it isn't known how high the vibration coefficient of the lifting equipment is, a vibration coefficient of $\phi_2 = 2$ must be used.



RAMPA®

Good idea. Let's make it!

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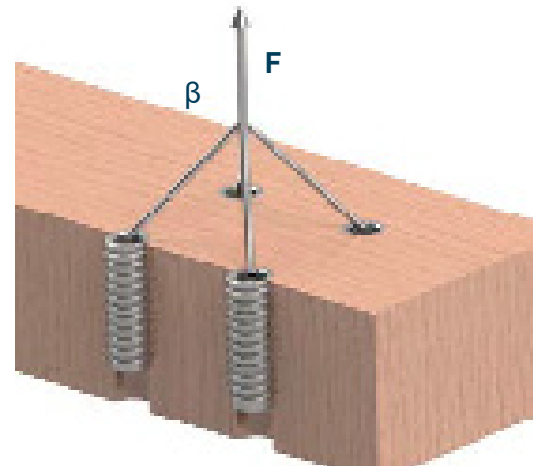
Load capacity 4-strand only with load locker

Calculated partial safety factors:

- ⇒ Variable loads $\gamma_m = 1,5$
- ⇒ Building material properties $\gamma_q = 1,3$

RAMPA®-Inserts | Type: SKL330

Art. No.	Insert size	Lifting angle β° Load capacity kg 0°	Lifting angle β° Load capacity kg 30°
4218406	16 x 40	877	692
4218506	16 x 50	1015	877
4211406	18,5 x 40	862	800
4211506	18,5 x 50	1169	1015
4211706	18,5 x 70	1669	1446
4211806	18,5 x 80	1923	1662
4211006	18,5 x 100	2415	2092



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If it isn't known how high the vibration coefficient of the lifting equipment is, a vibration coefficient of $\phi_2 = 2$ must be used.

RAMPA GmbH & Co. KG

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The following boundary conditions apply:

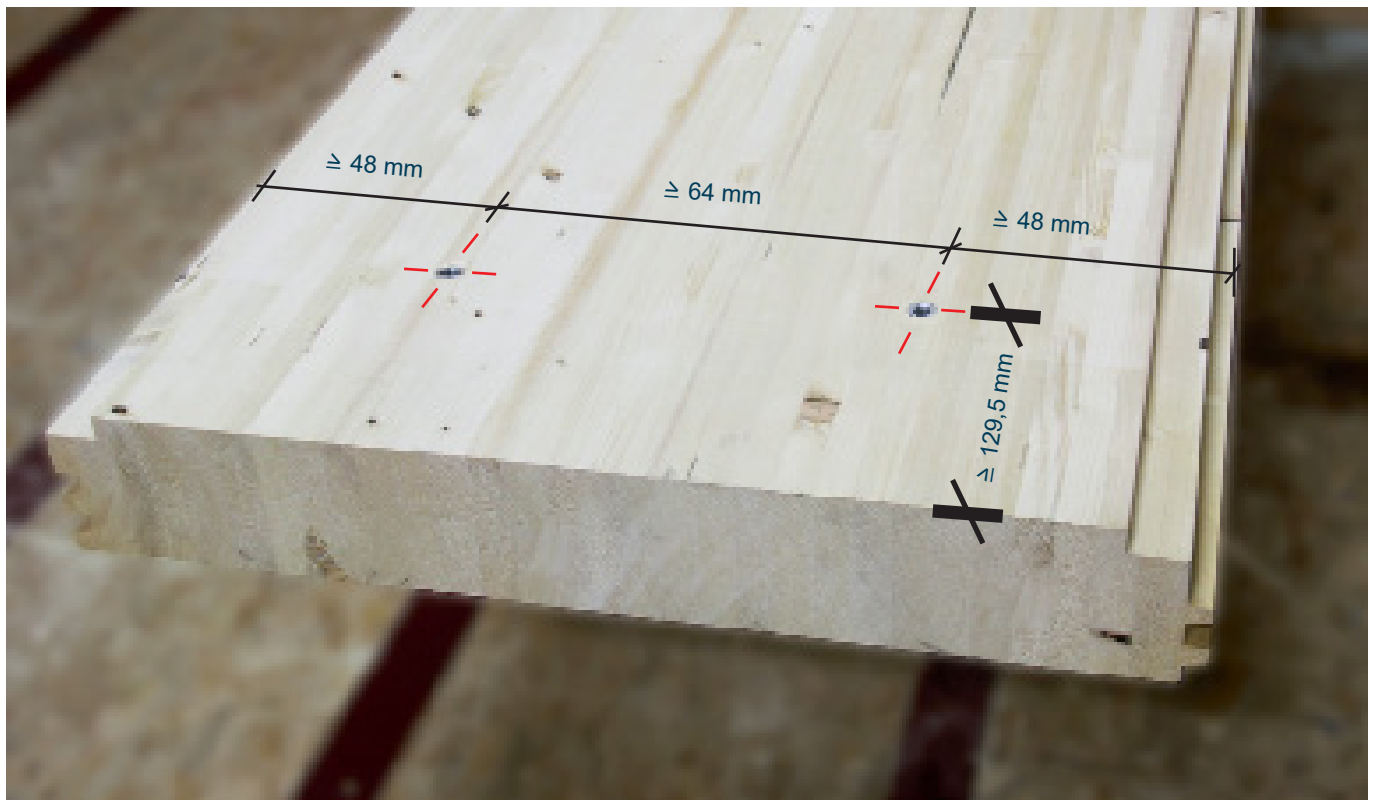
The RAMPA®-Inserts must be installed flush with the surface of the BSH or CLT floor element.

Pre-drill diameter over entire screw-in length (softwood):

⇒ RAMPA® Inserts Type SKL330 D16 = max. 13,0mm

The specified pre-drill diameters are valid exclusively for zinc plated RAMPA socket variants as well as BSH /CLT elements made of softwood. The assembling angle between the insert axis and the surface of the glulam ceiling or the respective CLT layers is 90° (across the grain). The loads specified in this document are only valid for ceiling elements or use in the lateral surface.

Minimum distances for RAMPA®-Inserts in glulam and cross laminated timber (CLT) according to ETA 12/0481 or Eurocode 5:



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If it isn't known how high the vibration coefficient of the lifting equipment is, a vibration coefficient of $\phi_2 = 2$ must be used.

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