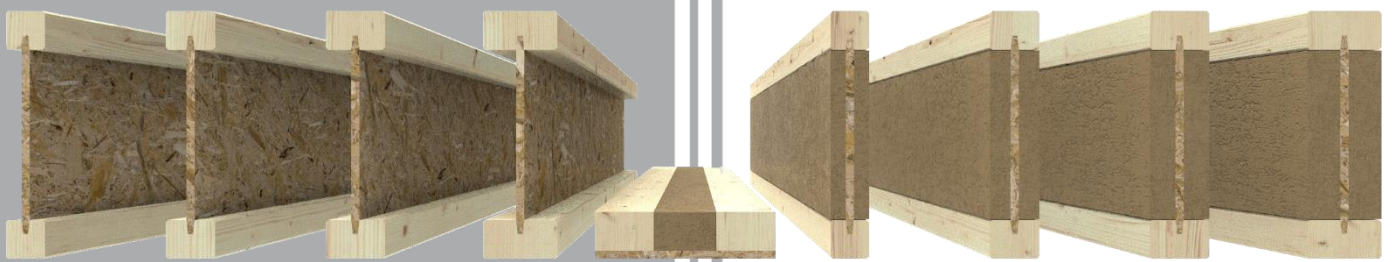
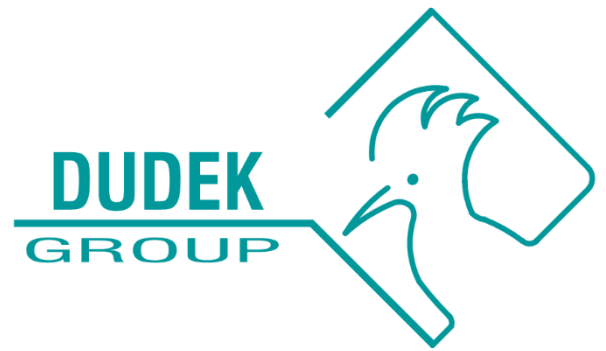


I-BEAMS



I-BEAMS

SYSTEMS



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DUDEK I-BEAMS

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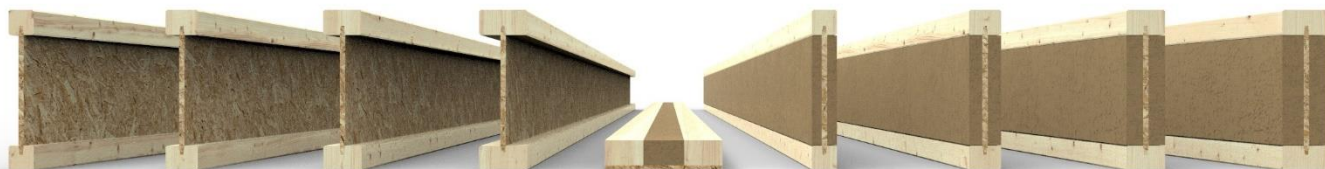
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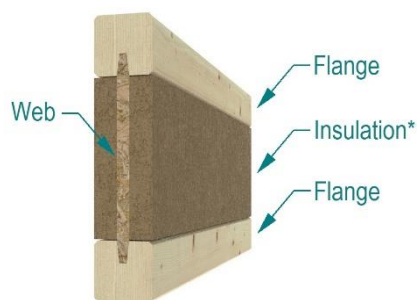
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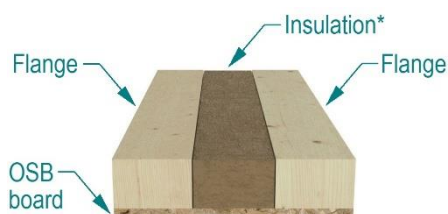
WHAT IS DUDEK I-BEAMS AND DIB SOLE PLATE?



The high quality of materials and many years of experience in wood processing allowed us to develop the Dudek I- beams. An I-beam with excellent strength parameters.

The **DUDEK I-Beams** – web girder – consists of two KVH belts, made from solid construction wood sorted according to strength and a web plate, which is made of an OSB 3 board/panel.

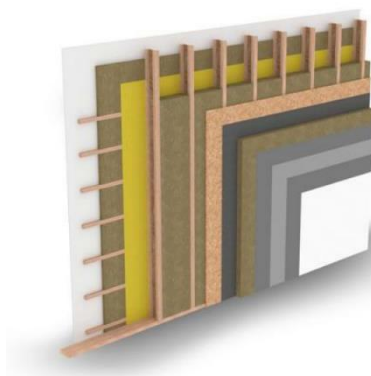
* On request, it is possible to prepare a DUDEK I-Beam with thermal insulation



DIB sole plate consists of two structural wood flanges joined with web plate, which is made of an OSB 3 board/panel.

* On request, it is possible to prepare a DUDEK I-Beam with thermal insulation

APPLICATION OF DUDEK I-BEAMS



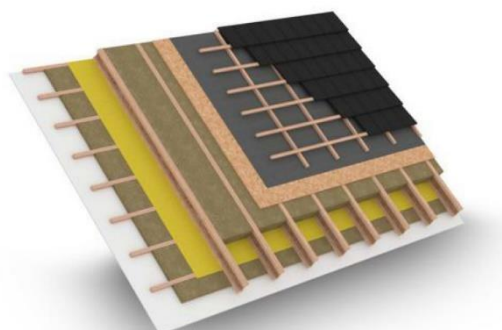
WALL

Walls with posts made of **Dudek I-beams** are durable and have excellent thermal insulation properties. The use of the I- profile practically eliminates the problem of linear thermal bridges in frame houses.



FLOOR

The ceiling made of **Dudek I-beams** enables large spans of living spaces. This is possible by the very good utilization of the tensile properties of wood. A high degree of material rigidity reduces the beam deflection in the case of very large spans of the ceilings or floors.



ROOF

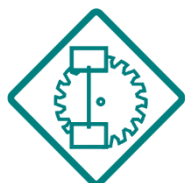
Dudek I-beams perfectly fulfill their function as elements in the roof structure, both in single-family and multi-family houses. This is possible by the very good utilization of the tensile properties of wood. A high degree of material rigidity reduces the beam deflection in the case of very large spans of the ceilings or floors.

ADVANTAGES OF DUDEK I-BEAMS



LOW DEAD WEIGHT

DUDEK I-beams are light construction elements that can be moved, transported and assembled without great effort. The use of heavy lifting equipment is not necessary.



MACHINING PARTS WITH SIMPLE TOOLS

Simple tools are used for processing (motor or hand saw)



MINIMAL DIMENSIONS TOLERANCES

Slight differences between target and actual dimensions. Fulfillment of the applicable building standards.



EXCELLENT STRENGTH PARAMETERS

DUDEK I-beams are resistant to high loads/stress. They are ideal as roof rafters in single-family and multi-family houses.



WITH WEBINSULATION

Thanks to insulation, these beams have excellent insulation parameters. They allow you to reduce significantly heat loss. We offer our I-beams also with web insulation.



STRENGTH COMPARED TO SOLID WOOD

DUDEK I-beams are in no way inferior to solid wood beams in terms of strength. In many cases, these constructions are just as durable as those made of solid wood.



POSSIBILITY OF PREPARING OPENINGS IN THE WEB OF THE I-BEAMS

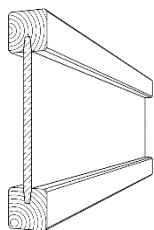
In **DUDEK I-beams** it is possible to drill holes/openings in the web, which simplifies the passage, installations for example of pipes.



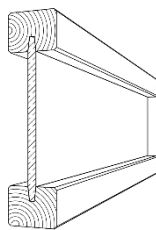
REDUCTION OF THERMAL BRIDGES

A thermal bridge (often colloquially referred to as a cold bridge) is an area in components of a building that conducts heat better and that transports heat to the outside faster than it can pass through the adjacent components. As a result, the corresponding component (e.g. a corner of the room) cools down more quickly and experiences a lower temperature than the surrounding area. If the temperature falls below the dew point, the moisture contained in the room air condenses on the component.

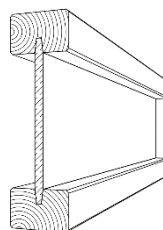
ASSORTMENT OF DUDEK I-BEAMS



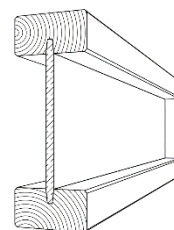
DIB 47



DIB 60



DIB 72



DIB 90

DIB 47

B	47	47	47	47	47	47	47	47	47	47	47
H	200	220	240	250	280	300	350	360	400	450	500

DIB 60

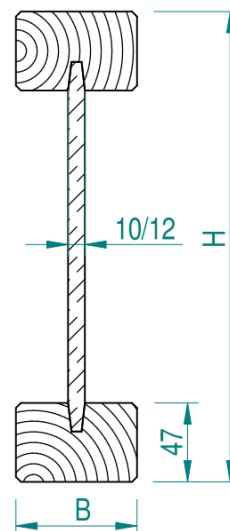
B	60	60	60	60	60	60	60	60	60	60	60
H	200	220	240	250	280	300	350	360	400	450	500

DIB 72

B	72	72	72	72	72	72	72	72	72	72	72
H	200	220	240	250	280	300	350	360	400	450	500

DIB 90

B	90	90	90	90	90	90	90	90	90	90	90
H	200	220	240	250	280	300	350	360	400	450	500



TECHNICAL SPECIFICATION

Dimensions:	
Depth of I-Beams:	200-500 mm
Length of I-Beams:	up to 16 m
Width of flange:	47 – 90 mm
Depth of flange:	47 mm
Web thickness:	10/12 mm
Dimensional tolerances:	
Beam height (H):	± 1,5 mm
Beam width (B):	± 1,5 mm
Flange height (47):	± 2,0 mm
Beam length (L):	± 10,0 mm
BWR 6 Energy economy and heat retention:	
The thermal conductivity for webs and flange material:	0,13 W/(mK)
Destination:	
Intended use:	As structural elements of walls, ceilings, roofs

All our I-Beams are CE certified and approved in accordance with European Technical Approval (ETA). This means that the products can be sold throughout Europe, and dimensioning is done in accordance with Eurocode 5.

OUR CERTIFICATES

**CE certificate**

CE marking placed on the product is a manufacturer's declaration that the marked product meets the requirements of the so-called "New Approach" directives of the European Union.



ETA 14/0181

European Technical Approval ETA

A positive technical assessment of the suitability of a construction product for its intended use, conditional on the fulfillment of the basic requirements by the construction works in which the product is used, issued in accordance with the requirements of the European Union (i.e., the repealed Directive 89/106/EEG).

**Norwegian Technical Approval SINTEF**

Technical approvals issued by Sintef (Norwegian Building Research Institute) confirm that the products specified therein are suitable for use in Norway. Sintef approvals certify that the technical requirements for construction works (TEK) are met and allow the construction product to be placed on the market (as required by the DOK).



Nordic Ecolabelling

Nordic Swan Ecolabel Certificate

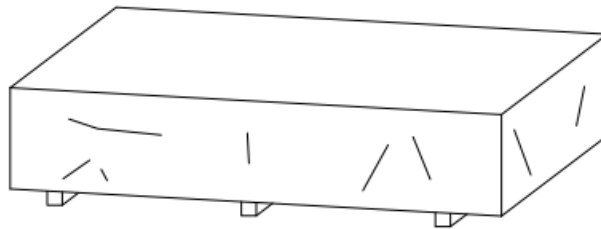
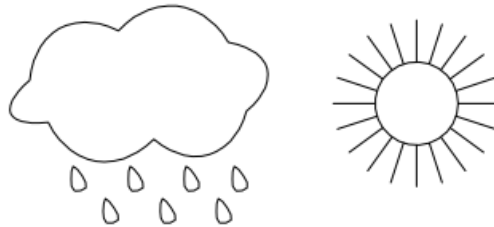
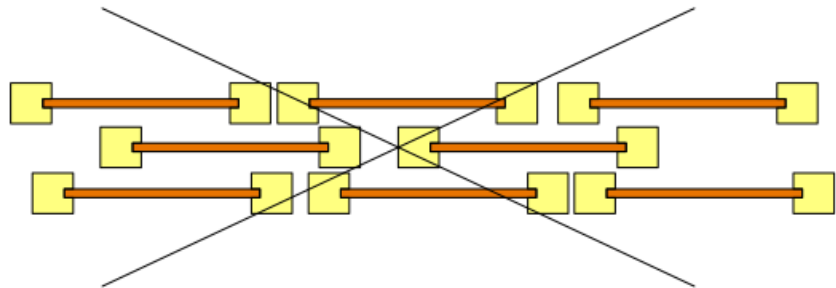
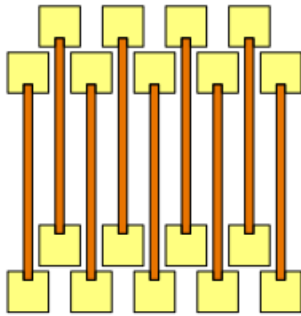
Nordic Ecolabel is an eco-labeling system that contributes to sustainable consumption and production. It is one of the strictest and most recognized environmental certification systems in the world.

**Certificate FSC®**

FSC® certification is one of the first forest management certification programs and a certification that allows you to trace the origin of your wood. It also gives you the opportunity to demonstrate your commitment to sustainability, gives your company a competitive edge, and improves your company's image and management.

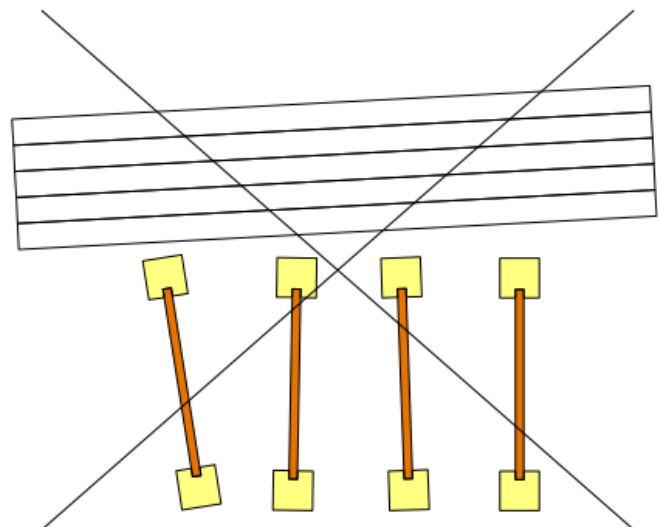
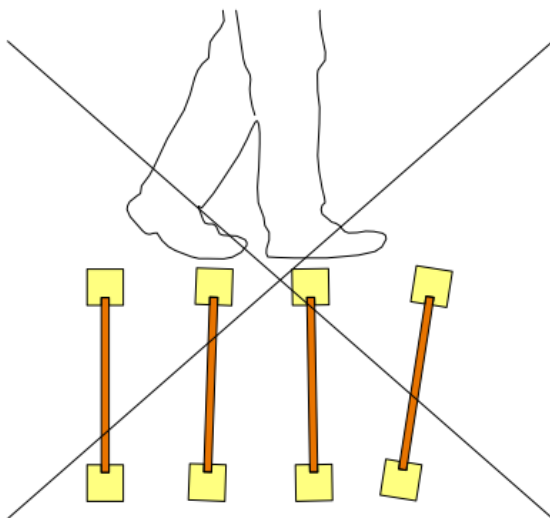
STORAGE NOTES

- **DUDEK I-Beams** must be stored straight and vertical (DO NOT store flat), on level bearers, at least 80 mm high and spaced at approx 3.0 m centres.
- When stored, protect **DUDEK I-Beams** at all times from direct weather exposure with an appropriate covering.



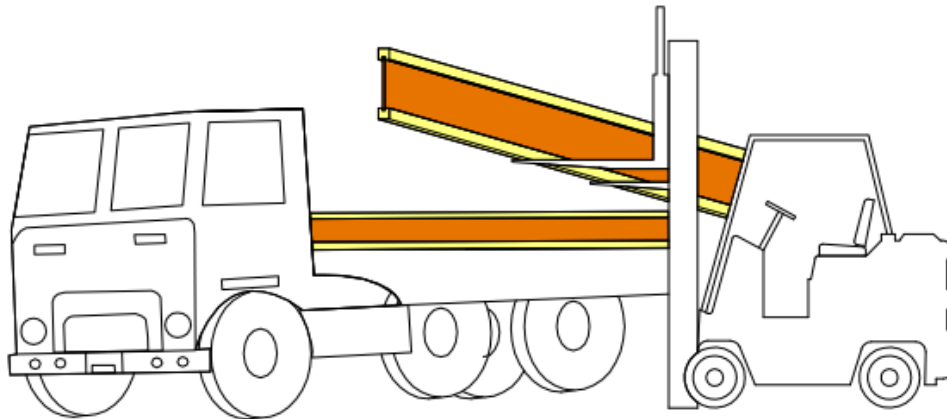
- **DO NOT** walk on **DUDEK I-Beams** until they are fully braced.

- **DO NOT** store building materials on unbraced **DUDEK I-beams**.

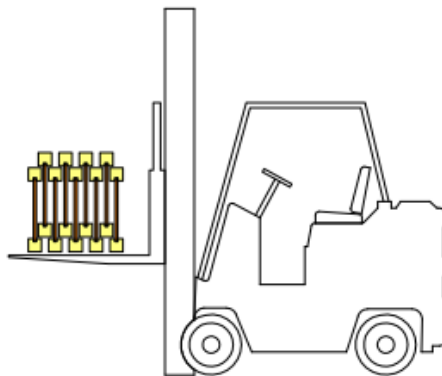


STORAGE NOTES

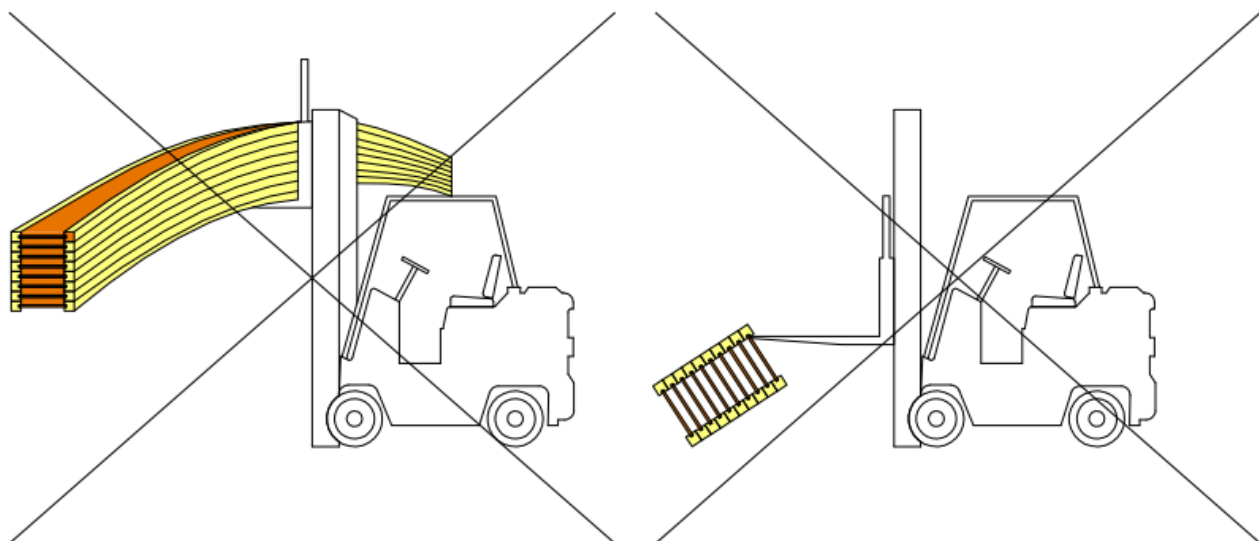
- **DO NOT** dump or drop **DUDEK I-Beams** from lorry.



- Always lift **DUDEK I-Beams** using the bottom flange.



- **DO NOT** lift **DUDEK I-Beams** in the flat orientation or by the top flange.



- **DO NOT** use damaged **DUDEK I-Beams** or attempt to repair them.

TECHNICAL SPECIFICATION

DIB 47 and 60

Type of DUDEK I-Beams				Timber class C24				Timber class C30*			
Type	Marking	B [mm]	H [mm]	EI [kNm ²]	GA [kN]	V [kN]	M [kNm]	EI [kNm ²]	GA [kN]	V [kN]	M [kNm]
DIB 47	DIB 47/200	47	200	285,62	1352,16	10,40	6,18	311,57	1352,16	10,40	7,73
	DIB 47/220	47	220	363,39	1568,16	11,76	7,14	396,40	1568,16	11,76	8,93
	DIB 47/240	47	240	451,23	1784,16	13,12	8,11	492,23	1784,16	13,12	10,14
	DIB 47/250	47	250	498,97	1892,16	13,80	8,60	544,31	1892,16	13,80	10,76
	DIB 47/280	47	280	657,75	2216,16	15,84	10,09	717,51	2216,16	15,84	12,63
	DIB 47/300	47	300	776,72	2432,16	17,20	11,11	847,30	2432,16	17,20	13,89
	DIB 47/350	47	350	1121,24	2972,16	20,60	13,68	1223,12	2972,16	20,60	17,11
	DIB 47/360	47	360	1198,37	3080,16	21,28	14,20	1307,25	3080,16	21,28	17,77
	DIB 47/400	47	400	1534,91	3512,16	24,00	16,31	1674,37	3512,16	24,00	20,41
	DIB 47/450	47	450	2020,09	4052,16	26,94	19,00	2203,63	4052,16	26,94	23,77
	DIB 47/500	47	500	2579,17	4592,16	26,56	21,74	2813,51	4592,16	26,56	27,20
DIB 60	DIB 60/200	60	200	358,75	1395,36	10,54	7,77	391,35	1395,36	10,54	9,72
	DIB 60/220	60	220	455,37	1611,36	11,90	8,95	496,75	1611,36	11,90	11,20
	DIB 60/240	60	240	564,26	1827,36	13,26	10,16	615,53	1827,36	13,26	12,71
	DIB 60/250	60	250	623,35	1935,36	13,94	10,76	679,99	1935,36	13,94	13,47
	DIB 60/280	60	280	819,44	2259,36	15,98	12,61	893,89	2259,36	15,98	15,77
	DIB 60/300	60	300	966,03	2475,36	17,34	13,85	1053,81	2475,36	17,34	17,33
	DIB 60/350	60	350	1389,18	3015,36	20,74	17,01	1515,40	3015,36	20,74	21,28
	DIB 60/360	60	360	1483,67	3123,36	21,42	17,65	1618,48	3123,36	21,42	22,08
	DIB 60/400	60	400	1895,16	3555,36	24,14	20,23	2067,36	3555,36	24,14	25,31
	DIB 60/450	60	450	2486,36	4095,36	26,78	23,50	2712,27	4095,36	26,78	29,40
	DIB 60/500	60	500	3165,14	4635,36	26,41	26,83	3452,72	4635,36	26,41	33,57

* Analytical values for timber class C30 are not included in ETA 14/0181 but were calculated according to EC5.

Partial safety coefficients and modification factors used for the calculation of characteristic values:

$$k_{mod,f} = 1.0$$

$$k_{mod,w} = 1.0$$

$$\gamma_{M,f} = 1.0$$

$$\gamma_{M,w} = 1.0$$

$$k_{def,f} = 0.6$$

$$k_{def,w} = 1.5$$

TECHNICAL SPECIFICATION

DIB 72 and 90

Type of DUDEK I-Beams				Timber class C24				Timber class C30*			
Type	Marking	B [mm]	H [mm]	EI [kNm ²]	GA [kN]	V [kN]	M [kNm]	EI [kNm ²]	GA [kN]	V [kN]	M [kNm]
DIB 72	DIB 72/200	72	200	441,66	1352,16	10,40	9,59	481,79	1352,16	10,40	11,99
	DIB 72/220	72	220	561,56	1568,16	11,76	11,07	612,58	1568,16	11,76	13,84
	DIB 72/240	72	240	696,71	1784,16	13,12	12,57	760,01	1784,16	13,12	15,73
	DIB 72/250	72	250	770,05	1892,16	13,80	13,33	840,01	1892,16	13,80	16,68
	DIB 72/280	72	280	1013,35	2216,16	15,84	15,64	1105,42	2216,16	15,84	19,56
	DIB 72/300	72	300	1195,14	2432,16	17,20	17,19	1303,73	2432,16	17,20	21,51
	DIB 72/350	72	350	1719,32	2972,16	20,60	21,14	1875,53	2972,16	20,60	26,44
	DIB 72/360	72	360	1836,25	3080,16	21,28	21,93	2003,09	3080,16	21,28	27,44
	DIB 72/400	72	400	2344,95	3512,16	24,00	25,15	2558,01	3512,16	24,00	31,46
	DIB 72/450	72	450	3074,42	4052,16	26,94	29,23	3353,75	4052,16	26,94	36,56
DIB 90	DIB 90/200	90	200	542,15	1395,36	10,54	11,77	591,41	1395,36	10,54	14,73
	DIB 90/220	90	220	687,77	1611,36	11,90	13,56	750,26	1611,36	11,90	16,97
	DIB 90/240	90	240	851,61	1827,36	13,26	15,38	928,98	1827,36	13,26	19,24
	DIB 90/250	90	250	940,40	1935,36	13,94	16,30	1025,84	1935,36	13,94	20,39
	DIB 90/280	90	280	1234,49	2259,36	15,98	19,07	1346,66	2259,36	15,98	23,86
	DIB 90/300	90	300	1453,86	2475,36	17,34	20,94	1585,95	2475,36	17,34	26,20
	DIB 90/350	90	350	2084,90	3015,36	20,74	25,68	2274,33	3015,36	20,74	32,13
	DIB 90/360	90	360	2225,43	3123,36	21,42	26,64	2427,63	3123,36	21,42	33,32
	DIB 90/400	90	400	2835,91	3555,36	24,14	30,49	3093,58	3555,36	24,14	38,14
	DIB 90/450	90	450	3709,26	4095,36	26,78	35,36	4046,28	4095,36	26,78	44,24
	DIB 90/500	90	500	4707,32	4635,36	26,41	40,29	5135,02	4635,36	26,41	50,41

* Analytical values for timber class C30 are not included in ETA 14/0181 but were calculated according to EC5.

Partial safety coefficients and modification factors used for the calculation of characteristic values:

$$k_{mod,f} = 1.0$$

$$k_{mod,w} = 1.0$$

$$\gamma_{M,f} = 1.0$$

$$\gamma_{M,w} = 1.0$$

$$k_{def,f} = 0.6$$

$$k_{def,w} = 1.5$$

FLOOR: DIB 47 and 60

MAXIMUM SPAN IN METERS												
LOAD CAPACITY	2,0 kN/m ²						3,0 kN/m ²					
	SPACING OF JOISTS CENTERS [mm]						SPACING OF JOISTS CENTERS [mm]					
TYPE												
	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	3,78	3,43	3,00	4,45	4,04	3,52	3,41	3,10	2,71	3,97	3,61	2,67
DIB 47/220	4,09	3,72	3,25	4,82	4,38	3,78	3,69	3,36	2,93	4,30	3,91	3,02
DIB 47/240	4,39	3,99	3,49	5,18	4,70	4,03	3,97	3,61	3,15	4,62	4,20	3,37
DIB 47/250	4,54	4,13	3,61	5,35	4,86	4,15	4,10	3,73	3,26	4,77	4,34	3,55
DIB 47/280	4,98	4,52	3,95	5,86	5,32	4,50	4,50	4,08	3,57	5,23	4,71	3,83
DIB 47/300	5,26	4,78	4,17	6,19	5,63	4,72	4,75	4,31	3,77	5,53	4,94	3,83
DIB 47/350	5,93	5,39	4,71	6,99	6,35	5,24	5,36	4,87	4,25	6,24	5,49	3,83
DIB 47/360	6,07	5,51	4,81	7,14	6,49	5,25	5,48	4,98	4,35	6,37	5,59	3,83
DIB 47/400	6,58	5,98	5,22	7,75	7,01	5,25	5,94	5,40	4,72	6,91	5,75	3,83
DIB 47/450	7,20	6,54	5,71	8,48	7,57	5,25	6,50	5,91	5,16	7,47	5,75	3,83
DIB 47/500	7,80	7,09	6,19	9,19	7,87	5,25	7,05	6,40	5,59	7,67	5,75	3,83
DIB 60/200	4,08	3,70	3,23	4,80	4,36	3,70	3,68	3,34	2,92	4,28	3,89	2,71
DIB 60/220	4,41	4,01	3,50	5,20	4,72	4,12	3,99	3,62	3,16	4,64	4,21	3,06
DIB 60/240	4,74	4,30	3,76	5,58	5,07	4,43	4,28	3,89	3,39	4,98	4,52	3,41
DIB 60/250	4,90	4,45	3,89	5,77	5,24	4,58	4,42	4,02	3,51	5,15	4,67	3,58
DIB 60/280	5,36	4,87	4,25	6,31	5,73	5,01	4,84	4,40	3,84	5,63	5,12	4,11
DIB 60/300	5,66	5,14	4,49	6,67	6,06	5,27	5,11	4,64	4,06	5,95	5,40	4,46
DIB 60/350	6,38	5,80	5,06	7,51	6,83	5,84	5,76	5,24	4,57	6,71	6,09	4,90
DIB 60/360	6,52	5,92	5,18	7,68	6,98	5,95	5,89	5,35	4,67	6,85	6,23	4,90
DIB 60/400	7,07	6,42	5,61	8,32	7,56	6,37	6,39	5,80	5,07	7,43	6,67	4,90
DIB 60/450	7,73	7,02	6,13	9,10	8,27	6,70	6,98	6,34	5,54	8,12	7,20	4,90
DIB 60/500	8,37	7,60	6,64	9,85	8,95	6,70	7,56	6,87	6,00	8,79	7,35	4,90

Span table notes::

1. All loads are assumed to be uniformly distributed.
2. Spans are clear spans i.e. between supports. Minimum end bearing length required is 45mm.
3. 0.8 kN/m² dead load allowance.
4. The applied live load is 2.0 or 3.0 kN/m².
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/300.
7. Middle support in 2-span beams – min. 148mm
8. For logistical reasons, the recommended maximum beam length is 13,0 m.
Beams above this length are made after individual valuation.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for floor joists under service class 1 conditions only.
4. The beams are prevented from lateral torsional buckling.

FLOOR: DIB 72 and 90

MAXIMUM SPAN IN METERS												
LOAD CAPACITY	2,0 kN/m ²						3,0 kN/m ²					
	SPACING OF JOISTS CENTERS [mm]						SPACING OF JOISTS CENTERS [mm]					
TYPE												
	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	4,37	3,97	3,47	5,15	4,68	3,66	3,95	3,59	3,13	4,60	4,01	2,67
DIB 72/220	4,74	4,30	3,76	5,58	5,07	4,14	4,28	3,89	3,39	4,98	4,52	3,02
DIB 72/240	5,09	4,62	4,04	5,99	5,44	4,61	4,59	4,17	3,65	5,35	4,86	3,37
DIB 72/250	5,26	4,78	4,17	6,19	5,63	4,85	4,75	4,31	3,77	5,53	5,02	3,55
DIB 72/280	5,76	5,23	4,57	6,78	6,16	5,38	5,20	4,73	4,13	6,05	5,50	4,07
DIB 72/300	6,08	5,53	4,83	7,16	6,51	5,68	5,49	4,99	4,36	6,39	5,81	4,42
DIB 72/350	6,86	6,23	5,45	8,08	7,34	6,41	6,20	5,63	4,92	7,21	6,55	5,30
DIB 72/360	7,01	6,37	5,56	8,26	7,50	6,55	6,33	5,75	5,03	7,37	6,69	5,47
DIB 72/400	7,60	6,91	6,03	8,95	8,13	7,10	6,87	6,24	5,45	7,99	7,26	5,88
DIB 72/450	8,31	7,55	6,60	9,79	8,89	7,66	7,51	6,82	5,96	8,74	7,94	5,88
DIB 72/500	9,00	8,18	7,14	10,60	9,63	8,04	8,13	7,38	6,45	9,46	8,57	5,88
DIB 90/200	4,68	4,25	3,72	5,51	5,01	3,70	4,23	3,84	3,36	4,92	4,06	2,71
DIB 90/220	5,07	4,60	4,02	5,97	5,42	4,18	4,58	4,16	3,63	5,33	4,59	3,06
DIB 90/240	5,44	4,94	4,32	6,41	5,82	4,66	4,91	4,46	3,90	5,72	5,11	3,41
DIB 90/250	5,62	5,11	4,46	6,62	6,02	4,90	5,08	4,61	4,03	5,91	5,37	3,58
DIB 90/280	6,15	5,59	4,88	7,25	6,58	5,62	5,56	5,05	4,41	6,47	5,88	4,11
DIB 90/300	6,50	5,90	5,16	7,65	6,95	6,07	5,87	5,33	4,66	6,83	6,20	4,46
DIB 90/350	7,32	6,65	5,81	8,62	7,83	6,84	6,61	6,01	5,25	7,69	6,99	5,33
DIB 90/360	7,48	6,80	5,94	8,81	8,00	6,99	6,76	6,14	5,36	7,86	7,14	5,51
DIB 90/400	8,11	7,37	6,43	9,55	8,67	7,58	7,32	6,65	5,81	8,52	7,74	6,21
DIB 90/450	8,86	8,05	7,03	10,43	9,48	8,28	8,00	7,27	6,35	9,31	8,46	6,88
DIB 90/500	9,58	8,71	7,61	11,28	10,25	8,96	8,66	7,86	6,87	10,07	9,15	6,79

Span table notes::

1. All loads are assumed to be uniformly distributed.
2. Spans are clear spans i.e. between supports. Minimum end bearing length required is 45mm.
3. 0.8 kN/m² dead load allowance.
4. The applied live load is 2.0 or 3.0 kN/m².
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/300.
7. Middle support in 2-span beams – min. 148mm
8. For logistical reasons, the recommended maximum beam length is 13,0 m.
Beams above this length are made after individual valuation.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for floor joists under service class 1 conditions only.
4. The beams are prevented from lateral torsional buckling.

ROOF ANGLE 0 - 15°

DIB 47 and 60 - single-span beam

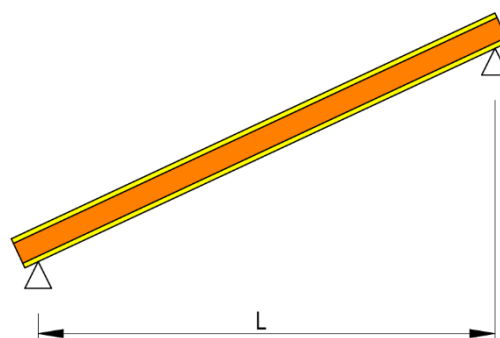
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,97	4,51	3,94	4,64	4,22	3,69	4,39	3,99	3,48	4,19	3,80	3,32
DIB 47/220	5,38	4,89	4,27	5,03	4,57	3,99	4,76	4,32	3,77	4,53	4,12	3,60
DIB 47/240	5,78	5,25	4,59	5,40	4,91	4,29	5,11	4,64	4,05	4,87	4,42	3,86
DIB 47/250	5,98	5,43	4,74	5,59	5,08	4,43	5,28	4,80	4,19	5,03	4,57	3,99
DIB 47/280	6,55	5,95	5,20	6,12	5,56	4,86	5,79	5,26	4,59	5,52	5,01	4,37
DIB 47/300	6,92	6,28	5,49	6,47	5,87	5,13	6,11	5,55	4,85	5,83	5,29	4,58
DIB 47/350	7,81	7,09	6,19	7,30	6,63	5,79	6,90	6,27	5,47	6,58	5,97	5,08
DIB 47/360	7,98	7,25	6,33	7,46	6,78	5,92	7,05	6,41	5,58	6,72	6,11	5,18
DIB 47/400	8,66	7,86	6,87	8,09	7,35	6,42	7,65	6,95	5,98	7,29	6,62	5,55
DIB 47/450	9,47	8,61	7,52	8,85	8,04	7,03	8,37	7,61	6,46	7,98	7,25	5,99
DIB 47/500	10,26	9,32	8,14	9,59	8,71	7,54	9,07	8,24	6,91	8,64	7,85	6,41
DIB 60/200	5,36	4,87	4,26	5,01	4,55	3,98	4,74	4,31	3,76	4,52	4,10	3,58
DIB 60/220	5,80	5,27	4,61	5,43	4,93	4,31	5,13	4,66	4,07	4,89	4,44	3,88
DIB 60/240	6,23	5,66	4,95	5,83	5,29	4,62	5,51	5,00	4,37	5,25	4,77	4,17
DIB 60/250	6,44	5,85	5,11	6,02	5,47	4,78	5,69	5,17	4,52	5,43	4,93	4,31
DIB 60/280	7,05	6,41	5,60	6,59	5,99	5,23	6,23	5,66	4,94	5,94	5,40	4,71
DIB 60/300	7,45	6,76	5,91	6,96	6,32	5,52	6,58	5,98	5,22	6,27	5,70	4,98
DIB 60/350	8,39	7,63	6,66	7,85	7,13	6,23	7,42	6,74	5,89	7,07	6,42	5,61
DIB 60/360	8,58	7,79	6,81	8,02	7,29	6,36	7,58	6,89	6,02	7,23	6,56	5,73
DIB 60/400	9,30	8,45	7,38	8,69	7,90	6,90	8,22	7,47	6,52	7,83	7,12	6,18
DIB 60/450	10,17	9,24	8,07	9,50	8,64	7,54	8,99	8,16	7,13	8,57	7,78	6,67
DIB 60/500	11,01	10,00	8,74	10,29	9,35	8,17	9,73	8,84	7,68	9,27	8,42	7,12

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 47 and 60 - single-span beam

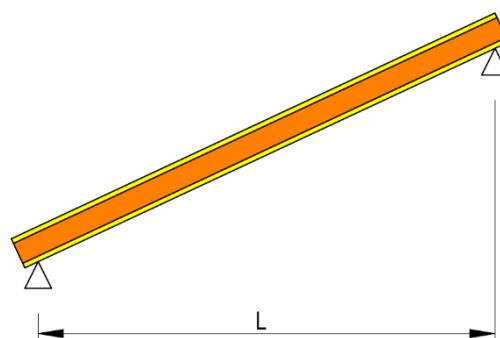
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,01	3,65	3,18	3,87	3,51	3,02	3,74	3,40	2,87	3,63	3,29	2,74
DIB 47/220	4,35	3,95	3,44	4,19	3,80	3,25	4,05	3,68	3,08	3,93	3,57	2,94
DIB 47/240	4,67	4,24	3,67	4,50	4,09	3,46	4,35	3,95	3,29	4,22	3,83	3,14
DIB 47/250	4,83	4,39	3,78	4,65	4,22	3,57	4,50	4,09	3,39	4,36	3,96	3,23
DIB 47/280	5,29	4,80	4,09	5,09	4,63	3,86	4,93	4,48	3,67	4,78	4,29	3,50
DIB 47/300	5,59	5,08	4,29	5,38	4,89	4,05	5,20	4,72	3,85	5,05	4,50	3,67
DIB 47/350	6,31	5,73	4,76	6,07	5,51	4,50	5,87	5,23	4,27	5,70	4,99	4,08
DIB 47/360	6,44	5,85	4,85	6,21	5,62	4,58	6,00	5,33	4,35	5,82	5,09	4,15
DIB 47/400	6,99	6,35	5,20	6,74	6,02	4,91	6,51	5,72	4,66	6,30	5,45	4,45
DIB 47/450	7,65	6,88	5,62	7,37	6,50	5,30	7,12	6,17	5,03	6,80	5,89	4,80
DIB 47/500	8,29	7,36	6,01	7,99	6,95	5,67	7,62	6,60	5,38	7,27	6,30	5,14
DIB 60/200	4,33	3,94	3,44	4,17	3,79	3,31	4,04	3,67	3,19	3,91	3,56	2,91
DIB 60/220	4,69	4,26	3,72	4,52	4,10	3,58	4,37	3,97	3,46	4,24	3,85	3,28
DIB 60/240	5,03	4,57	3,99	4,85	4,41	3,85	4,69	4,26	3,68	4,55	4,13	3,51
DIB 60/250	5,20	4,73	4,13	5,01	4,55	3,98	4,85	4,40	3,79	4,70	4,27	3,62
DIB 60/280	5,70	5,17	4,52	5,49	4,98	4,32	5,31	4,82	4,10	5,15	4,68	3,91
DIB 60/300	6,01	5,46	4,77	5,79	5,26	4,53	5,60	5,09	4,30	5,43	4,94	4,10
DIB 60/350	6,78	6,16	5,31	6,53	5,93	5,02	6,32	5,74	4,76	6,13	5,57	4,55
DIB 60/360	6,93	6,29	5,41	6,68	6,06	5,11	6,46	5,86	4,85	6,26	5,67	4,63
DIB 60/400	7,51	6,82	5,79	7,24	6,57	5,47	7,00	6,36	5,20	6,79	6,07	4,96
DIB 60/450	8,21	7,46	6,25	7,91	7,19	5,90	7,65	6,86	5,60	7,42	6,55	5,34
DIB 60/500	8,89	8,08	6,67	8,57	7,72	6,30	8,28	7,33	5,98	8,03	7,00	5,71

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 72 and 90 - single-span beam

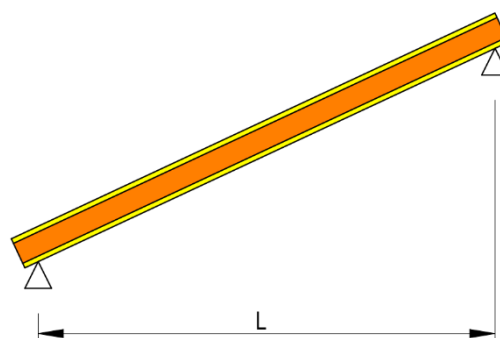
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	5,75	5,23	4,56	5,38	4,88	4,27	5,08	4,62	4,03	4,84	4,40	3,84
DIB 72/220	6,23	5,66	4,94	5,82	5,29	4,62	5,51	5,00	4,37	5,25	4,77	4,16
DIB 72/240	6,69	6,08	5,31	6,26	5,68	4,96	5,91	5,37	4,69	5,64	5,12	4,47
DIB 72/250	6,92	6,28	5,49	6,47	5,87	5,13	6,11	5,55	4,85	5,83	5,29	4,62
DIB 72/280	7,58	6,88	6,01	7,08	6,43	5,62	6,70	6,08	5,31	6,38	5,80	5,06
DIB 72/300	8,00	7,27	6,35	7,48	6,80	5,94	7,07	6,42	5,61	6,74	6,12	5,35
DIB 72/350	9,03	8,20	7,16	8,44	7,66	6,70	7,98	7,25	6,33	7,60	6,91	6,03
DIB 72/360	9,22	8,38	7,32	8,62	7,83	6,84	8,15	7,41	6,47	7,77	7,06	6,17
DIB 72/400	10,00	9,09	7,94	9,35	8,49	7,42	8,84	8,03	7,01	8,42	7,65	6,68
DIB 72/450	10,93	9,93	8,68	10,22	9,29	8,11	9,66	8,78	7,67	9,21	8,37	7,31
DIB 72/500	11,84	10,75	9,39	11,06	10,05	8,78	10,46	9,50	8,30	9,97	9,06	7,91
DIB 90/200	6,16	5,60	4,89	5,76	5,23	4,57	5,44	4,95	4,32	5,19	4,71	4,12
DIB 90/220	6,67	6,06	5,29	6,23	5,66	4,95	5,89	5,35	4,68	5,62	5,10	4,46
DIB 90/240	7,16	6,50	5,68	6,69	6,08	5,31	6,33	5,75	5,02	6,03	5,48	4,78
DIB 90/250	7,40	6,72	5,87	6,91	6,28	5,49	6,54	5,94	5,19	6,23	5,66	4,94
DIB 90/280	8,10	7,36	6,42	7,57	6,88	6,01	7,15	6,50	5,68	6,82	6,20	5,41
DIB 90/300	8,55	7,77	6,78	7,99	7,26	6,34	7,55	6,86	5,99	7,20	6,54	5,71
DIB 90/350	9,63	8,75	7,64	9,00	8,18	7,14	8,51	7,73	6,75	8,11	7,37	6,44
DIB 90/360	9,84	8,94	7,81	9,20	8,36	7,30	8,70	7,90	6,90	8,29	7,53	6,58
DIB 90/400	10,66	9,69	8,46	9,97	9,06	7,91	9,42	8,56	7,48	8,98	8,16	7,13
DIB 90/450	11,65	10,59	9,25	10,89	9,90	8,64	10,30	9,36	8,17	9,82	8,92	7,79
DIB 90/500	12,00	11,45	10,00	11,78	10,71	9,35	11,14	10,12	8,84	10,62	9,65	8,43

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 72 and 90 - single-span beam

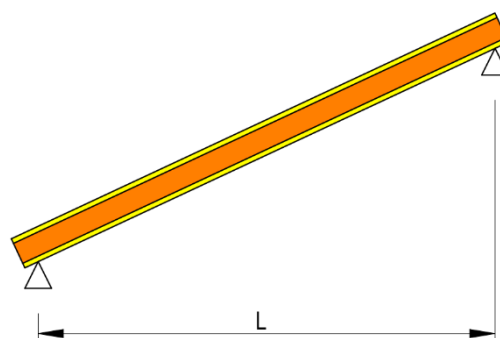
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	4,65	4,22	3,69	4,48	4,07	3,49	4,33	3,93	3,15	4,20	3,81	2,87
DIB 72/220	5,03	4,57	3,99	4,85	4,40	3,85	4,69	4,26	3,56	4,55	4,13	3,24
DIB 72/240	5,40	4,91	4,29	5,21	4,73	4,13	5,04	4,57	3,97	4,88	4,44	3,62
DIB 72/250	5,59	5,08	4,43	5,38	4,89	4,27	5,21	4,73	4,13	5,05	4,59	3,81
DIB 72/280	6,12	5,56	4,86	5,90	5,36	4,68	5,70	5,18	4,52	5,53	5,02	4,36
DIB 72/300	6,46	5,87	5,13	6,23	5,66	4,94	6,02	5,47	4,78	5,84	5,31	4,57
DIB 72/350	7,29	6,62	5,78	7,02	6,38	5,57	6,79	6,17	5,31	6,59	5,98	5,07
DIB 72/360	7,45	6,77	5,91	7,18	6,52	5,70	6,94	6,31	5,41	6,73	6,12	5,16
DIB 72/400	8,08	7,34	6,41	7,78	7,07	6,10	7,52	6,84	5,79	7,30	6,63	5,53
DIB 72/450	8,83	8,02	6,97	8,51	7,73	6,58	8,23	7,48	6,25	7,98	7,25	5,96
DIB 72/500	9,56	8,69	7,44	9,21	8,37	7,03	8,91	8,09	6,67	8,64	7,80	6,37
DIB 90/200	4,98	4,52	3,95	4,79	4,35	3,54	4,64	4,21	3,19	4,50	4,08	2,91
DIB 90/220	5,38	4,89	4,27	5,19	4,71	4,00	5,02	4,56	3,60	4,87	4,42	3,28
DIB 90/240	5,78	5,25	4,59	5,57	5,06	4,42	5,39	4,89	4,02	5,22	4,75	3,66
DIB 90/250	5,97	5,43	4,74	5,76	5,23	4,57	5,57	5,06	4,22	5,40	4,90	3,85
DIB 90/280	6,54	5,94	5,19	6,30	5,72	5,00	6,09	5,53	4,83	5,91	5,37	4,41
DIB 90/300	6,90	6,27	5,48	6,65	6,04	5,28	6,43	5,84	5,10	6,24	5,67	4,78
DIB 90/350	7,78	7,07	6,17	7,49	6,81	5,95	7,25	6,58	5,75	7,03	6,39	5,58
DIB 90/360	7,95	7,22	6,31	7,66	6,96	6,08	7,41	6,73	5,88	7,18	6,53	5,69
DIB 90/400	8,61	7,82	6,83	8,30	7,54	6,58	8,02	7,29	6,37	7,78	7,07	6,09
DIB 90/450	9,41	8,55	7,47	9,07	8,24	7,20	8,77	7,97	6,87	8,51	7,73	6,56
DIB 90/500	10,18	9,25	8,08	9,81	8,91	7,72	9,49	8,62	7,33	9,20	8,36	7,00

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 47 and 60 - single-span beam

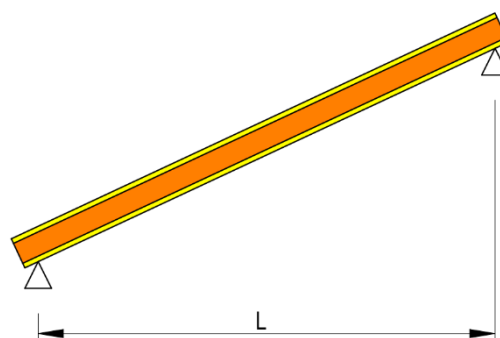
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,46	4,06	3,54	4,20	3,82	3,33	3,99	3,63	3,17	3,82	3,47	3,03
DIB 47/220	4,84	4,39	3,84	4,55	4,13	3,61	4,32	3,93	3,43	4,13	3,76	3,28
DIB 47/240	5,19	4,72	4,12	4,89	4,44	3,88	4,64	4,22	3,68	4,44	4,04	3,52
DIB 47/250	5,37	4,88	4,26	5,05	4,59	4,01	4,80	4,36	3,81	4,59	4,17	3,64
DIB 47/280	5,88	5,34	4,67	5,54	5,03	4,39	5,26	4,78	4,17	5,03	4,57	3,99
DIB 47/300	6,21	5,65	4,93	5,85	5,31	4,64	5,56	5,05	4,41	5,31	4,83	4,22
DIB 47/350	7,01	6,37	5,57	6,60	6,00	5,24	6,27	5,70	4,98	6,00	5,45	4,76
DIB 47/360	7,17	6,51	5,69	6,75	6,13	5,35	6,41	5,82	5,09	6,13	5,57	4,87
DIB 47/400	7,78	7,07	6,17	7,32	6,65	5,81	6,95	6,32	5,52	6,65	6,04	5,28
DIB 47/450	8,51	7,73	6,75	8,01	7,28	6,36	7,61	6,91	6,04	7,28	6,61	5,77
DIB 47/500	9,22	8,38	7,32	8,68	7,88	6,89	8,24	7,49	6,54	7,89	7,16	6,17
DIB 60/200	4,82	4,38	3,82	4,54	4,12	3,60	4,31	3,91	3,42	4,12	3,74	3,27
DIB 60/220	5,22	4,74	4,14	4,91	4,46	3,89	4,66	4,24	3,70	4,46	4,05	3,54
DIB 60/240	5,60	5,09	4,44	5,27	4,79	4,18	5,01	4,55	3,97	4,79	4,35	3,80
DIB 60/250	5,79	5,26	4,59	5,45	4,95	4,32	5,17	4,70	4,11	4,95	4,50	3,93
DIB 60/280	6,34	5,76	5,03	5,96	5,42	4,73	5,66	5,15	4,49	5,42	4,92	4,30
DIB 60/300	6,69	6,08	5,31	6,30	5,72	5,00	5,98	5,43	4,75	5,72	5,20	4,54
DIB 60/350	7,54	6,85	5,99	7,10	6,45	5,63	6,74	6,13	5,35	6,45	5,86	5,12
DIB 60/360	7,71	7,00	6,12	7,25	6,59	5,76	6,89	6,26	5,47	6,59	5,99	5,23
DIB 60/400	8,36	7,59	6,63	7,86	7,14	6,24	7,47	6,79	5,93	7,15	6,49	5,67
DIB 60/450	9,14	8,30	7,25	8,60	7,81	6,82	8,17	7,42	6,48	7,81	7,10	6,20
DIB 60/500	9,89	8,99	7,85	9,31	8,46	7,39	8,84	8,03	7,02	8,46	7,68	6,71

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 47 and 60 - single-span beam

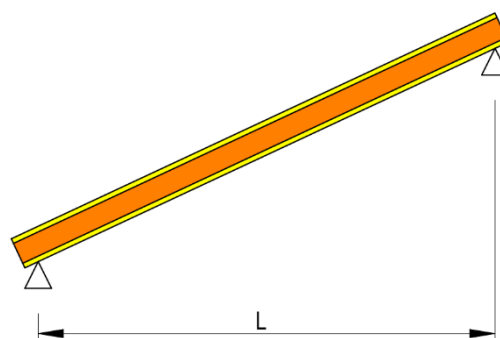
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	3,67	3,33	2,91	3,54	3,22	2,81	3,43	3,12	2,72	3,33	3,03	2,65
DIB 47/220	3,98	3,61	3,15	3,84	3,49	3,05	3,72	3,38	2,95	3,61	3,28	2,87
DIB 47/240	4,27	3,88	3,39	4,12	3,75	3,27	3,99	3,63	3,17	3,88	3,53	3,06
DIB 47/250	4,42	4,01	3,50	4,26	3,87	3,38	4,13	3,75	3,28	4,01	3,64	3,15
DIB 47/280	4,84	4,39	3,84	4,67	4,24	3,71	4,52	4,11	3,57	4,40	3,99	3,41
DIB 47/300	5,11	4,64	4,05	4,93	4,48	3,92	4,78	4,34	3,74	4,64	4,22	3,58
DIB 47/350	5,77	5,24	4,58	5,57	5,06	4,36	5,39	4,90	4,15	5,24	4,76	3,97
DIB 47/360	5,90	5,36	4,68	5,69	5,17	4,45	5,51	5,01	4,23	5,36	4,87	4,04
DIB 47/400	6,40	5,81	5,03	6,17	5,61	4,76	5,98	5,43	4,53	5,81	5,28	4,33
DIB 47/450	7,00	6,36	5,43	6,76	6,14	5,14	6,55	5,95	4,89	6,36	5,74	4,67
DIB 47/500	7,58	6,89	5,80	7,32	6,65	5,49	7,09	6,42	5,23	6,89	6,13	4,99
DIB 60/200	3,96	3,60	3,14	3,83	3,48	3,04	3,71	3,37	2,94	3,60	3,27	2,86
DIB 60/220	4,29	3,90	3,40	4,14	3,76	3,29	4,01	3,64	3,18	3,90	3,54	3,09
DIB 60/240	4,60	4,18	3,65	4,45	4,04	3,53	4,31	3,91	3,42	4,18	3,80	3,32
DIB 60/250	4,76	4,32	3,78	4,59	4,17	3,65	4,45	4,04	3,53	4,32	3,93	3,43
DIB 60/280	5,21	4,73	4,13	5,03	4,57	3,99	4,87	4,43	3,87	4,73	4,30	3,76
DIB 60/300	5,50	5,00	4,36	5,31	4,82	4,21	5,15	4,67	4,08	5,00	4,54	3,97
DIB 60/350	6,20	5,63	4,92	5,99	5,44	4,75	5,80	5,27	4,60	5,64	5,12	4,43
DIB 60/360	6,34	5,76	5,03	6,12	5,56	4,86	5,93	5,39	4,70	5,76	5,23	4,51
DIB 60/400	6,87	6,24	5,45	6,63	6,03	5,26	6,43	5,84	5,05	6,24	5,67	4,83
DIB 60/450	7,51	6,83	5,96	7,25	6,59	5,72	7,03	6,38	5,44	6,83	6,20	5,20
DIB 60/500	8,13	7,39	6,45	7,85	7,13	6,11	7,61	6,91	5,81	7,39	6,71	5,56

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 72 and 90 - single-span beam

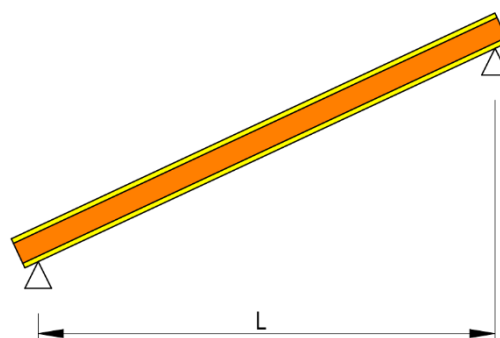
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	5,17	4,70	4,10	4,86	4,42	3,86	4,62	4,20	3,67	4,42	4,02	3,51
DIB 72/220	5,60	5,09	4,44	5,27	4,79	4,18	5,00	4,55	3,97	4,79	4,35	3,80
DIB 72/240	6,01	5,46	4,77	5,66	5,14	4,49	5,38	4,88	4,27	5,14	4,67	4,08
DIB 72/250	6,22	5,65	4,93	5,85	5,31	4,64	5,56	5,05	4,41	5,32	4,83	4,22
DIB 72/280	6,81	6,18	5,40	6,41	5,82	5,08	6,09	5,53	4,83	5,82	5,29	4,62
DIB 72/300	7,19	6,53	5,71	6,77	6,15	5,37	6,43	5,84	5,10	6,15	5,59	4,88
DIB 72/350	8,11	7,37	6,44	7,63	6,93	6,06	7,25	6,59	5,75	6,94	6,30	5,50
DIB 72/360	8,29	7,53	6,58	7,80	7,09	6,19	7,41	6,73	5,88	7,09	6,44	5,62
DIB 72/400	8,98	8,16	7,13	8,46	7,68	6,71	8,03	7,30	6,37	7,68	6,98	6,10
DIB 72/450	9,82	8,93	7,80	9,25	8,40	7,34	8,78	7,98	6,97	8,40	7,63	6,67
DIB 72/500	10,63	9,66	8,44	10,01	9,09	7,94	9,51	8,64	7,55	9,10	8,26	7,22
DIB 90/200	5,54	5,03	4,39	5,21	4,73	4,13	4,95	4,50	3,93	4,73	4,30	3,76
DIB 90/220	5,99	5,44	4,75	5,64	5,12	4,47	5,36	4,87	4,25	5,12	4,65	4,07
DIB 90/240	6,43	5,84	5,10	6,05	5,50	4,80	5,75	5,22	4,56	5,50	5,00	4,36
DIB 90/250	6,65	6,04	5,27	6,26	5,68	4,96	5,94	5,40	4,72	5,68	5,16	4,51
DIB 90/280	7,27	6,61	5,77	6,85	6,22	5,43	6,50	5,91	5,16	6,22	5,65	4,94
DIB 90/300	7,68	6,98	6,09	7,23	6,57	5,74	6,87	6,24	5,45	6,57	5,97	5,21
DIB 90/350	8,65	7,86	6,87	8,14	7,40	6,46	7,74	7,03	6,14	7,40	6,72	5,87
DIB 90/360	8,84	8,03	7,02	8,32	7,56	6,60	7,91	7,18	6,27	7,56	6,87	6,00
DIB 90/400	9,58	8,70	7,60	9,02	8,19	7,16	8,57	7,78	6,80	8,19	7,44	6,50
DIB 90/450	10,47	9,51	8,31	9,85	8,95	7,82	9,36	8,50	7,43	8,95	8,13	7,11
DIB 90/500	11,33	10,29	8,99	10,66	9,68	8,46	10,13	9,20	8,04	9,69	8,80	7,69

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling..



ROOF ANGLE 15° - 38°

DIB 72 and 90 - single-span beam

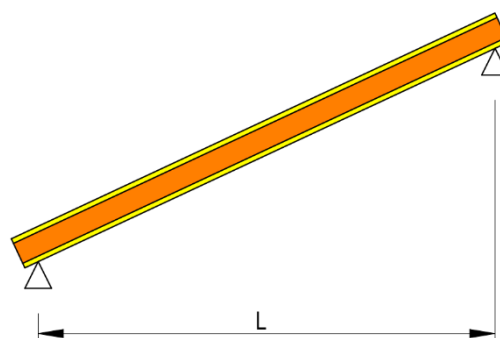
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	4,25	3,86	3,37	4,10	3,73	3,26	3,97	3,61	3,15	3,86	3,51	3,06
DIB 72/220	4,60	4,18	3,65	4,44	4,04	3,53	4,30	3,91	3,42	4,18	3,80	3,32
DIB 72/240	4,94	4,49	3,92	4,77	4,34	3,79	4,62	4,20	3,67	4,49	4,08	3,56
DIB 72/250	5,11	4,64	4,06	4,93	4,48	3,92	4,78	4,34	3,79	4,64	4,22	3,68
DIB 72/280	5,60	5,09	4,44	5,40	4,91	4,29	5,24	4,76	4,15	5,09	4,62	4,04
DIB 72/300	5,91	5,37	4,69	5,71	5,19	4,53	5,53	5,02	4,39	5,37	4,88	4,26
DIB 72/350	6,67	6,06	5,29	6,44	5,85	5,11	6,24	5,67	4,95	6,06	5,50	4,81
DIB 72/360	6,81	6,19	5,41	6,58	5,98	5,22	6,37	5,79	5,06	6,19	5,63	4,91
DIB 72/400	7,39	6,71	5,86	7,13	6,48	5,66	6,91	6,28	5,48	6,71	6,10	5,33
DIB 72/450	8,08	7,34	6,41	7,80	7,09	6,19	7,56	6,87	6,00	7,34	6,67	5,81
DIB 72/500	8,75	7,95	6,94	8,44	7,67	6,70	8,18	7,43	6,49	7,95	7,22	6,20
DIB 90/200	4,55	4,13	3,61	4,39	3,99	3,49	4,26	3,87	3,38	4,14	3,76	3,28
DIB 90/220	4,93	4,47	3,91	4,76	4,32	3,77	4,61	4,19	3,66	4,48	4,07	3,55
DIB 90/240	5,29	4,80	4,20	5,11	4,64	4,05	4,95	4,49	3,92	4,80	4,36	3,81
DIB 90/250	5,47	4,96	4,34	5,28	4,79	4,19	5,11	4,64	4,06	4,97	4,51	3,94
DIB 90/280	5,98	5,43	4,75	5,78	5,25	4,58	5,59	5,08	4,44	5,43	4,94	4,31
DIB 90/300	6,31	5,74	5,01	6,10	5,54	4,84	5,91	5,37	4,69	5,74	5,21	4,55
DIB 90/350	7,12	6,46	5,65	6,87	6,24	5,45	6,66	6,05	5,28	6,47	5,87	5,13
DIB 90/360	7,27	6,61	5,77	7,02	6,38	5,57	6,80	6,18	5,40	6,61	6,00	5,24
DIB 90/400	7,88	7,16	6,25	7,61	6,91	6,04	7,37	6,69	5,85	7,16	6,50	5,68
DIB 90/450	8,61	7,82	6,83	8,31	7,55	6,60	8,05	7,32	6,39	7,82	7,11	6,21
DIB 90/500	9,31	8,46	7,39	8,99	8,17	7,14	8,71	7,91	6,91	8,46	7,69	6,72

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 47 and 60 - single-span beam

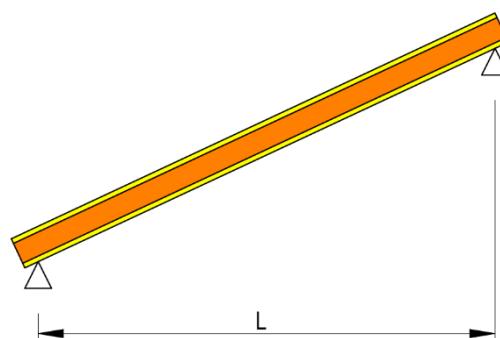
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,00	3,63	3,17	3,79	3,44	3,00	3,62	3,28	2,87	3,47	3,15	2,75
DIB 47/220	4,33	3,93	3,44	4,10	3,73	3,25	3,92	3,56	3,11	3,76	3,41	2,98
DIB 47/240	4,65	4,23	3,69	4,41	4,00	3,50	4,21	3,82	3,34	4,04	3,67	3,20
DIB 47/250	4,81	4,37	3,82	4,56	4,14	3,61	4,35	3,95	3,45	4,18	3,79	3,31
DIB 47/280	5,27	4,79	4,18	4,99	4,53	3,96	4,76	4,33	3,78	4,57	4,16	3,63
DIB 47/300	5,56	5,06	4,42	5,27	4,79	4,18	5,03	4,57	3,99	4,83	4,39	3,83
DIB 47/350	6,28	5,71	4,98	5,95	5,41	4,72	5,68	5,16	4,51	5,45	4,95	4,33
DIB 47/360	6,42	5,83	5,09	6,08	5,53	4,83	5,81	5,27	4,61	5,57	5,06	4,42
DIB 47/400	6,96	6,33	5,53	6,60	5,99	5,24	6,30	5,72	5,00	6,05	5,49	4,80
DIB 47/450	7,62	6,92	6,05	7,22	6,56	5,73	6,89	6,26	5,47	6,62	6,01	5,25
DIB 47/500	8,26	7,50	6,55	7,82	7,11	6,21	7,47	6,78	5,93	7,17	6,51	5,69
DIB 60/200	4,31	3,92	3,42	4,09	3,71	3,24	3,90	3,55	3,10	3,75	3,40	2,97
DIB 60/220	4,67	4,24	3,71	4,42	4,02	3,51	4,22	3,84	3,35	4,06	3,68	3,22
DIB 60/240	5,01	4,56	3,98	4,75	4,32	3,77	4,53	4,12	3,60	4,35	3,96	3,45
DIB 60/250	5,18	4,71	4,11	4,91	4,46	3,90	4,69	4,26	3,72	4,50	4,09	3,57
DIB 60/280	5,67	5,15	4,50	5,37	4,88	4,27	5,13	4,66	4,07	4,93	4,48	3,91
DIB 60/300	5,99	5,44	4,75	5,68	5,16	4,50	5,42	4,92	4,30	5,20	4,73	4,13
DIB 60/350	6,75	6,14	5,36	6,40	5,81	5,08	6,11	5,55	4,85	5,86	5,33	4,65
DIB 60/360	6,90	6,27	5,48	6,54	5,94	5,19	6,24	5,67	4,95	5,99	5,44	4,76
DIB 60/400	7,48	6,80	5,94	7,09	6,44	5,63	6,77	6,15	5,37	6,50	5,90	5,16
DIB 60/450	8,18	7,43	6,49	7,75	7,04	6,15	7,40	6,72	5,87	7,10	6,45	5,64
DIB 60/500	8,86	8,05	7,03	8,39	7,62	6,66	8,01	7,28	6,36	7,69	6,99	6,10

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 47 and 60 - single-span beam

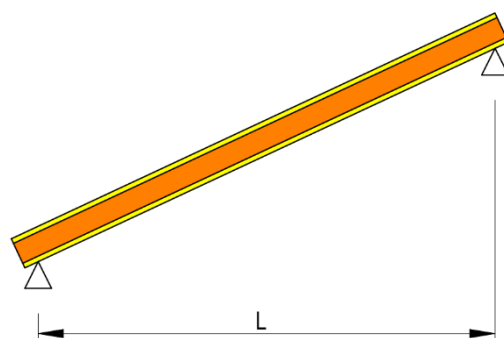
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	3,35	3,04	2,66	3,24	2,94	2,57	3,14	2,86	2,49	3,06	2,78	2,43
DIB 47/220	3,62	3,29	2,88	3,51	3,19	2,78	3,41	3,09	2,70	3,31	3,01	2,63
DIB 47/240	3,89	3,54	3,09	3,77	3,42	2,99	3,66	3,32	2,90	3,56	3,23	2,82
DIB 47/250	4,03	3,66	3,19	3,90	3,54	3,09	3,78	3,44	3,00	3,68	3,34	2,92
DIB 47/280	4,41	4,01	3,50	4,27	3,88	3,39	4,14	3,76	3,29	4,03	3,66	3,20
DIB 47/300	4,66	4,23	3,70	4,51	4,10	3,58	4,38	3,98	3,47	4,26	3,87	3,38
DIB 47/350	5,26	4,78	4,17	5,09	4,62	4,04	4,94	4,49	3,92	4,81	4,37	3,81
DIB 47/360	5,38	4,88	4,27	5,20	4,73	4,13	5,05	4,59	4,01	4,91	4,46	3,90
DIB 47/400	5,83	5,30	4,63	5,64	5,13	4,48	5,48	4,98	4,35	5,33	4,84	4,21
DIB 47/450	6,38	5,80	5,06	6,18	5,61	4,90	5,99	5,45	4,74	5,83	5,30	4,53
DIB 47/500	6,91	6,28	5,49	6,69	6,08	5,31	6,49	5,90	5,06	6,32	5,74	4,85
DIB 60/200	3,61	3,28	2,87	3,50	3,18	2,77	3,39	3,08	2,69	3,30	3,00	2,62
DIB 60/220	3,91	3,55	3,10	3,78	3,44	3,00	3,67	3,34	2,91	3,57	3,25	2,84
DIB 60/240	4,20	3,81	3,33	4,06	3,69	3,22	3,94	3,58	3,13	3,84	3,49	3,04
DIB 60/250	4,34	3,94	3,44	4,20	3,81	3,33	4,08	3,70	3,23	3,97	3,60	3,15
DIB 60/280	4,75	4,32	3,77	4,60	4,18	3,65	4,46	4,05	3,54	4,34	3,94	3,44
DIB 60/300	5,02	4,56	3,98	4,85	4,41	3,85	4,71	4,28	3,74	4,58	4,16	3,64
DIB 60/350	5,66	5,14	4,49	5,47	4,97	4,34	5,31	4,83	4,22	5,17	4,70	4,10
DIB 60/360	5,78	5,25	4,59	5,59	5,08	4,44	5,43	4,93	4,31	5,28	4,80	4,19
DIB 60/400	6,27	5,69	4,97	6,06	5,51	4,81	5,89	5,35	4,67	5,73	5,20	4,54
DIB 60/450	6,85	6,22	5,44	6,63	6,02	5,26	6,44	5,85	5,11	6,26	5,69	4,97
DIB 60/500	7,42	6,74	5,89	7,18	6,52	5,70	6,97	6,33	5,53	6,78	6,16	5,38

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 72 and 90 - single-span beam

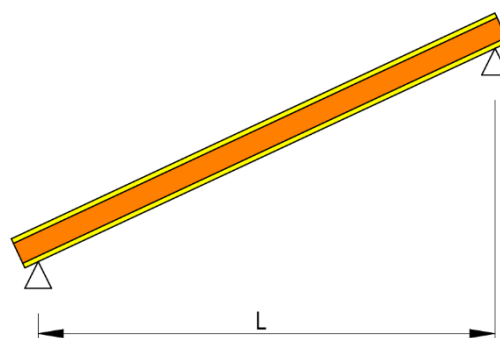
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	4,63	4,20	3,67	4,38	3,98	3,48	4,19	3,80	3,32	4,02	3,65	3,19
DIB 72/220	5,01	4,55	3,98	4,75	4,31	3,77	4,53	4,12	3,60	4,35	3,95	3,45
DIB 72/240	5,38	4,89	4,27	5,10	4,63	4,05	4,87	4,42	3,86	4,67	4,25	3,71
DIB 72/250	5,57	5,06	4,42	5,27	4,79	4,18	5,03	4,57	3,99	4,83	4,39	3,83
DIB 72/280	6,10	5,54	4,84	5,78	5,25	4,58	5,51	5,01	4,38	5,29	4,81	4,20
DIB 72/300	6,44	5,85	5,11	6,10	5,54	4,84	5,82	5,29	4,62	5,59	5,08	4,44
DIB 72/350	7,26	6,60	5,76	6,88	6,25	5,46	6,57	5,97	5,21	6,31	5,73	5,00
DIB 72/360	7,42	6,74	5,89	7,03	6,39	5,58	6,71	6,10	5,33	6,44	5,85	5,11
DIB 72/400	8,05	7,31	6,38	7,62	6,93	6,05	7,28	6,61	5,77	6,99	6,35	5,54
DIB 72/450	8,80	7,99	6,98	8,34	7,57	6,62	7,96	7,23	6,31	7,64	6,94	6,06
DIB 72/500	9,52	8,65	7,56	9,02	8,20	7,16	8,61	7,83	6,84	8,27	7,51	6,56
DIB 90/200	4,96	4,50	3,93	4,70	4,27	3,73	4,48	4,07	3,56	4,30	3,91	3,41
DIB 90/220	5,36	4,87	4,26	5,08	4,62	4,03	4,85	4,41	3,85	4,66	4,23	3,70
DIB 90/240	5,76	5,23	4,57	5,46	4,96	4,33	5,21	4,73	4,13	5,00	4,54	3,97
DIB 90/250	5,95	5,41	4,72	5,64	5,12	4,47	5,38	4,89	4,27	5,17	4,69	4,10
DIB 90/280	6,51	5,92	5,17	6,17	5,61	4,90	5,89	5,35	4,67	5,66	5,14	4,49
DIB 90/300	6,88	6,25	5,46	6,52	5,92	5,17	6,22	5,65	4,94	5,97	5,42	4,74
DIB 90/350	7,75	7,04	6,15	7,34	6,67	5,83	7,01	6,37	5,56	6,73	6,11	5,34
DIB 90/360	7,92	7,19	6,28	7,50	6,82	5,95	7,16	6,51	5,68	6,88	6,25	5,46
DIB 90/400	8,58	7,79	6,81	8,13	7,38	6,45	7,76	7,05	6,16	7,45	6,77	5,91
DIB 90/450	9,38	8,52	7,44	8,88	8,07	7,05	8,48	7,70	6,73	8,14	7,40	6,46
DIB 90/500	10,14	9,21	8,05	9,61	8,73	7,63	9,17	8,33	7,28	8,81	8,00	6,99

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 72 and 90 - single-span beam

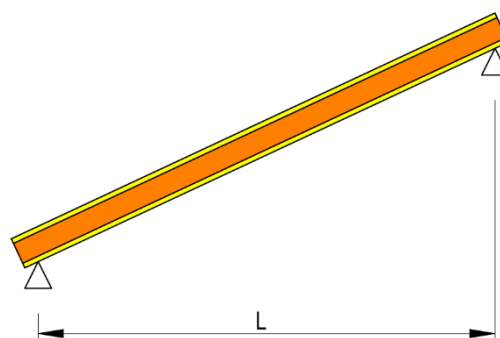
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	3,87	3,52	3,07	3,75	3,41	2,98	3,64	3,31	2,89	3,54	3,22	2,81
DIB 72/220	4,20	3,81	3,33	4,06	3,69	3,22	3,94	3,58	3,13	3,84	3,48	3,04
DIB 72/240	4,51	4,10	3,58	4,36	3,96	3,46	4,23	3,85	3,36	4,12	3,74	3,27
DIB 72/250	4,66	4,23	3,70	4,51	4,10	3,58	4,38	3,98	3,47	4,26	3,87	3,38
DIB 72/280	5,10	4,64	4,05	4,94	4,49	3,92	4,79	4,36	3,80	4,67	4,24	3,70
DIB 72/300	5,39	4,90	4,28	5,22	4,74	4,14	5,06	4,60	4,02	4,93	4,48	3,91
DIB 72/350	6,08	5,52	4,83	5,88	5,35	4,67	5,71	5,19	4,53	5,56	5,05	4,41
DIB 72/360	6,21	5,65	4,93	6,01	5,46	4,77	5,84	5,30	4,63	5,68	5,16	4,51
DIB 72/400	6,74	6,12	5,35	6,52	5,92	5,17	6,33	5,75	5,02	6,16	5,59	4,89
DIB 72/450	7,37	6,69	5,85	7,13	6,48	5,66	6,92	6,29	5,49	6,73	6,12	5,34
DIB 72/500	7,97	7,25	6,33	7,72	7,01	6,12	7,49	6,81	5,94	7,29	6,62	5,78
DIB 90/200	4,15	3,77	3,29	4,02	3,65	3,19	3,90	3,54	3,09	3,79	3,45	3,01
DIB 90/220	4,49	4,08	3,56	4,35	3,95	3,45	4,22	3,83	3,35	4,11	3,73	3,26
DIB 90/240	4,82	4,38	3,83	4,67	4,24	3,70	4,53	4,11	3,59	4,41	4,00	3,50
DIB 90/250	4,98	4,53	3,95	4,82	4,38	3,83	4,68	4,25	3,71	4,55	4,14	3,61
DIB 90/280	5,45	4,96	4,33	5,28	4,80	4,19	5,12	4,65	4,07	4,99	4,53	3,96
DIB 90/300	5,76	5,23	4,57	5,57	5,06	4,42	5,41	4,91	4,29	5,26	4,78	4,18
DIB 90/350	6,49	5,90	5,15	6,28	5,71	4,98	6,10	5,54	4,84	5,93	5,39	4,71
DIB 90/360	6,63	6,02	5,26	6,42	5,83	5,09	6,23	5,66	4,94	6,06	5,51	4,81
DIB 90/400	7,18	6,53	5,70	6,95	6,32	5,52	6,75	6,13	5,36	6,57	5,97	5,21
DIB 90/450	7,85	7,13	6,23	7,60	6,90	6,03	7,37	6,70	5,85	7,18	6,52	5,69
DIB 90/500	8,49	7,72	6,74	8,22	7,47	6,52	7,98	7,25	6,33	7,76	7,05	6,16

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 47 and 60 - two-span beam

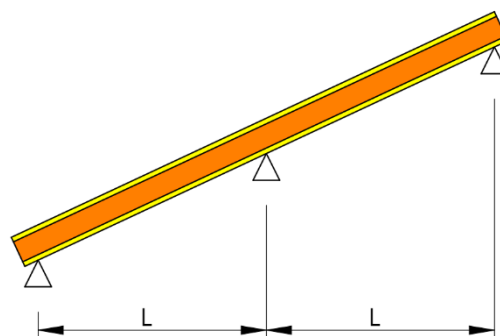
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	0-15°			0-15°			0-15°			0-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	6,13	5,57	4,86	5,62	5,11	4,46	5,25	4,77	4,14	4,96	4,51	3,57
DIB 47/220	6,64	6,03	5,27	6,09	5,53	4,83	5,69	5,17	4,51	5,38	4,88	3,98
DIB 47/240	7,13	6,48	5,66	6,54	5,94	5,19	6,11	5,55	4,62	5,78	5,25	3,98
DIB 47/250	7,37	6,69	5,85	6,76	6,14	5,37	6,32	5,74	4,62	5,97	5,42	3,98
DIB 47/280	8,07	7,33	6,41	7,41	6,73	5,51	6,92	6,29	4,62	6,54	5,94	3,98
DIB 47/300	8,53	7,75	6,77	7,83	7,11	5,51	7,31	6,64	4,62	6,91	5,97	3,98
DIB 47/350	9,63	8,74	6,82	8,83	8,03	5,51	8,25	6,94	4,62	7,80	5,97	3,98
DIB 47/360	9,84	8,94	6,82	9,03	8,20	5,51	8,43	6,94	4,62	7,97	5,97	3,98
DIB 47/400	10,67	9,70	6,82	9,80	8,27	5,51	9,15	6,94	4,62	7,97	5,97	3,98
DIB 47/450	11,68	10,23	6,82	10,72	8,27	5,51	9,25	6,94	4,62	7,97	5,97	3,98
DIB 47/500	12,00	10,23	6,82	11,02	8,27	5,51	9,25	6,94	4,62	7,97	5,97	3,98
DIB 60/200	6,61	6,01	5,25	6,07	5,51	4,82	5,67	5,15	4,20	5,36	4,87	3,62
DIB 60/220	7,16	6,50	5,68	6,57	5,97	5,21	6,14	5,57	4,74	5,80	5,27	4,08
DIB 60/240	7,68	6,98	6,10	7,05	6,41	5,60	6,59	5,99	5,23	6,23	5,66	4,55
DIB 60/250	7,94	7,22	6,30	7,29	6,62	5,78	6,81	6,19	5,40	6,43	5,85	4,78
DIB 60/280	8,69	7,90	6,90	7,98	7,25	6,33	7,45	6,77	5,90	7,04	6,40	5,08
DIB 60/300	9,18	8,34	7,29	8,43	7,65	6,69	7,87	7,15	5,90	7,44	6,76	5,08
DIB 60/350	10,35	9,40	8,21	9,50	8,63	7,04	8,87	8,06	5,90	8,39	7,62	5,08
DIB 60/360	10,58	9,61	8,39	9,71	8,82	7,04	9,07	8,24	5,90	8,57	7,63	5,08
DIB 60/400	11,47	10,42	8,71	10,52	9,56	7,04	9,83	8,86	5,90	9,29	7,63	5,08
DIB 60/450	12,00	11,39	8,71	11,51	10,45	7,04	10,75	8,86	5,90	10,16	7,63	5,08
DIB 60/500	12,00	12,00	8,71	12,00	10,56	7,04	11,64	8,86	5,90	10,17	7,63	5,08

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection $L/200$.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 47 and 60 - two-span beam

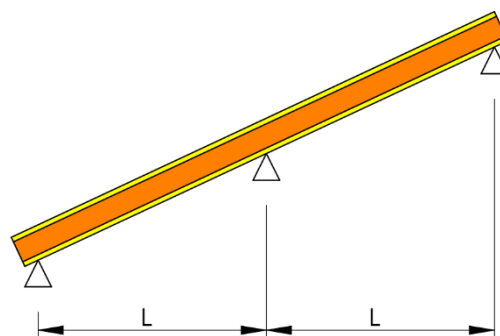
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,73	4,30	3,13	4,53	4,12	2,79	4,37	3,78	2,52	4,22	3,44	2,29
DIB 47/220	5,12	4,65	3,50	4,91	4,46	3,12	4,73	4,22	2,81	4,57	3,84	2,56
DIB 47/240	5,50	5,00	3,50	5,28	4,68	3,12	5,08	4,22	2,81	4,91	3,84	2,56
DIB 47/250	5,69	5,17	3,50	5,45	4,68	3,12	5,25	4,22	2,81	5,08	3,84	2,56
DIB 47/280	6,23	5,25	3,50	5,97	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/300	6,58	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/350	7,00	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/360	7,00	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/400	7,00	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/450	7,00	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 47/500	7,00	5,25	3,50	6,24	4,68	3,12	5,62	4,22	2,81	5,12	3,84	2,56
DIB 60/200	5,11	4,64	3,17	4,89	4,25	2,83	4,71	3,83	2,55	4,56	3,49	2,32
DIB 60/220	5,53	5,02	3,58	5,30	4,80	3,20	5,10	4,33	2,88	4,93	3,94	2,62
DIB 60/240	5,93	5,39	4,00	5,69	5,17	3,56	5,48	4,82	3,21	5,30	4,39	2,92
DIB 60/250	6,13	5,57	4,20	5,88	5,34	3,74	5,66	5,07	3,38	5,47	4,62	3,08
DIB 60/280	6,71	6,10	4,46	6,43	5,85	3,98	6,20	5,39	3,59	5,99	4,90	3,27
DIB 60/300	7,09	6,44	4,46	6,79	5,97	3,98	6,54	5,39	3,59	6,33	4,90	3,27
DIB 60/350	7,99	6,70	4,46	7,66	5,97	3,98	7,18	5,39	3,59	6,54	4,90	3,27
DIB 60/360	8,17	6,70	4,46	7,83	5,97	3,98	7,18	5,39	3,59	6,54	4,90	3,27
DIB 60/400	8,85	6,70	4,46	7,96	5,97	3,98	7,18	5,39	3,59	6,54	4,90	3,27
DIB 60/450	8,93	6,70	4,46	7,96	5,97	3,98	7,18	5,39	3,59	6,54	4,90	3,27
DIB 60/500	8,93	6,70	4,46	7,96	5,97	3,98	7,18	5,39	3,59	6,54	4,90	3,27

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 72 and 90 - two-span beam

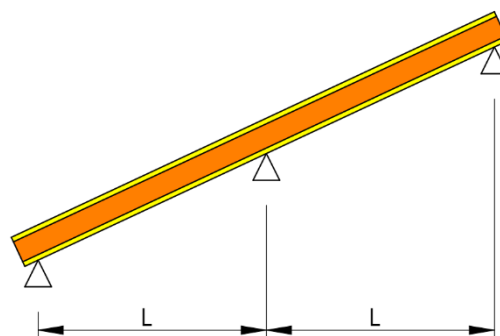
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	7,09	6,44	5,63	6,51	5,91	4,94	6,08	5,52	4,14	5,75	5,22	3,57
DIB 72/220	7,68	6,98	6,10	7,05	6,41	5,59	6,59	5,98	4,69	6,22	5,65	4,04
DIB 72/240	8,25	7,50	6,55	7,57	6,88	6,01	7,07	6,43	5,23	6,69	6,07	4,50
DIB 72/250	8,53	7,75	6,77	7,83	7,11	6,21	7,31	6,64	5,50	6,91	6,28	4,74
DIB 72/280	9,34	8,49	7,41	8,57	7,79	6,80	8,01	7,28	6,31	7,57	6,88	5,44
DIB 72/300	9,87	8,96	7,83	9,06	8,23	7,19	8,46	7,69	6,71	7,99	7,26	5,90
DIB 72/350	11,13	10,11	8,83	10,21	9,28	8,11	9,54	8,67	7,08	9,02	8,19	6,10
DIB 72/360	11,37	10,33	9,03	10,44	9,48	8,28	9,75	8,86	7,08	9,21	8,37	6,10
DIB 72/400	12,00	11,20	9,78	11,32	10,28	8,44	10,57	9,60	7,08	9,99	9,08	6,10
DIB 72/450	12,00	12,00	10,45	12,00	11,24	8,44	11,56	10,50	7,08	10,92	9,15	6,10
DIB 72/500	12,00	12,00	10,45	12,00	12,00	8,44	12,00	10,63	7,08	11,82	9,15	6,10
DIB 90/200	7,60	6,90	6,03	6,97	6,33	5,00	6,51	5,92	4,20	6,15	5,43	3,62
DIB 90/220	8,22	7,47	6,52	7,55	6,85	5,65	7,05	6,40	4,74	6,66	6,05	4,08
DIB 90/240	8,83	8,02	7,00	8,10	7,36	6,30	7,57	6,87	5,28	7,15	6,50	4,55
DIB 90/250	9,12	8,29	7,24	8,37	7,61	6,62	7,82	7,10	5,55	7,39	6,71	4,78
DIB 90/280	9,98	9,07	7,92	9,16	8,32	7,27	8,56	7,78	6,37	8,09	7,35	5,48
DIB 90/300	10,54	9,57	8,36	9,67	8,79	7,68	9,04	8,21	6,91	8,54	7,76	5,95
DIB 90/350	11,87	10,79	9,42	10,90	9,90	8,65	10,18	9,25	8,08	9,62	8,74	7,12
DIB 90/360	12,00	11,02	9,63	11,14	10,12	8,84	10,40	9,45	8,26	9,83	8,93	7,35
DIB 90/400	12,00	11,94	10,43	12,00	10,96	9,58	11,27	10,24	8,86	10,65	9,68	7,63
DIB 90/450	12,00	12,00	11,40	12,00	11,98	10,46	12,00	11,19	8,86	11,64	10,58	7,63
DIB 90/500	12,00	12,00	12,00	12,00	12,00	10,56	12,00	12,00	8,86	12,00	11,44	7,63

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection $L/200$.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 0 - 15°

DIB 72 and 90 - two-span beam

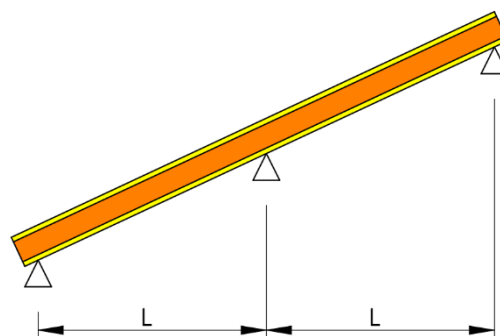
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	0°-15°			0°-15°			0°-15°			0°-15°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	5,48	4,70	3,13	5,25	4,19	2,79	5,04	3,78	2,52	4,59	3,44	2,29
DIB 72/220	5,93	5,32	3,54	5,68	4,74	3,16	5,48	4,28	2,85	5,19	3,89	2,59
DIB 72/240	6,37	5,79	3,95	6,11	5,29	3,52	5,88	4,77	3,18	5,69	4,34	2,89
DIB 72/250	6,58	5,98	4,16	6,31	5,56	3,71	6,08	5,02	3,34	5,88	4,57	3,05
DIB 72/280	7,21	6,55	4,77	6,91	6,28	4,26	6,66	5,76	3,84	6,44	5,25	3,50
DIB 72/300	7,62	6,92	5,18	7,30	6,63	4,62	7,03	6,26	4,17	6,80	5,70	3,80
DIB 72/350	8,59	7,80	5,36	8,24	7,17	4,78	7,93	6,46	4,31	7,67	5,89	3,92
DIB 72/360	8,78	7,98	5,36	8,42	7,17	4,78	8,11	6,46	4,31	7,84	5,89	3,92
DIB 72/400	9,52	8,04	5,36	9,12	7,17	4,78	8,62	6,46	4,31	7,85	5,89	3,92
DIB 72/450	10,41	8,04	5,36	9,56	7,17	4,78	8,62	6,46	4,31	7,85	5,89	3,92
DIB 72/500	10,72	8,04	5,36	9,56	7,17	4,78	8,62	6,46	4,31	7,85	5,89	3,92
DIB 90/200	5,86	4,76	3,17	5,62	4,25	2,83	5,11	3,83	2,55	4,65	3,49	2,32
DIB 90/220	6,35	5,38	3,58	6,08	4,80	3,20	5,77	4,33	2,88	5,25	3,94	2,62
DIB 90/240	6,81	6,00	4,00	6,53	5,34	3,56	6,29	4,82	3,21	5,85	4,39	2,92
DIB 90/250	7,04	6,30	4,20	6,75	5,62	3,74	6,50	5,07	3,38	6,16	4,62	3,08
DIB 90/280	7,71	7,00	4,82	7,39	6,44	4,29	7,12	5,81	3,87	6,88	5,29	3,53
DIB 90/300	8,14	7,39	5,23	7,80	6,99	4,66	7,51	6,30	4,20	7,26	5,74	3,83
DIB 90/350	9,17	8,33	6,25	8,79	7,98	5,57	8,47	7,54	5,03	8,18	6,87	4,58
DIB 90/360	9,37	8,51	6,46	8,98	8,16	5,76	8,65	7,79	5,19	8,36	7,09	4,73
DIB 90/400	10,15	9,22	6,70	9,73	8,84	5,97	9,37	8,08	5,39	9,06	7,36	4,90
DIB 90/450	11,09	10,05	6,70	10,63	8,96	5,97	10,24	8,08	5,39	9,81	7,36	4,90
DIB 90/500	12,00	10,05	6,70	11,50	8,96	5,97	10,78	8,08	5,39	9,81	7,36	4,90

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection $L/200$.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 47 and 60 - two-span beam

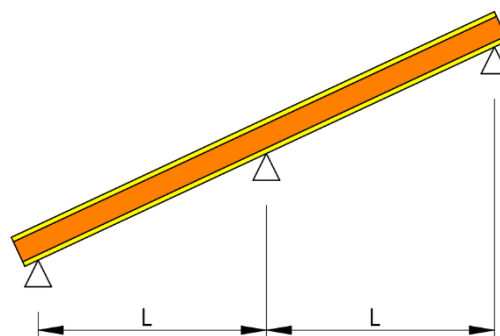
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	5,56	5,05	4,41	5,13	4,66	4,07	4,82	4,37	3,82	4,56	4,15	3,62
DIB 47/220	6,02	5,47	4,78	5,56	5,05	4,41	5,21	4,74	4,14	4,94	4,49	3,92
DIB 47/240	6,46	5,87	5,13	5,97	5,43	4,74	5,60	5,09	4,45	5,31	4,82	4,21
DIB 47/250	6,68	6,07	5,30	6,17	5,61	4,90	5,79	5,26	4,60	5,49	4,99	4,36
DIB 47/280	7,32	6,65	5,81	6,76	6,15	5,37	6,34	5,76	5,03	6,01	5,46	4,56
DIB 47/300	7,73	7,03	6,14	7,15	6,49	5,67	6,70	6,09	5,24	6,35	5,77	4,56
DIB 47/350	8,73	7,93	6,93	8,06	7,33	6,16	7,56	6,87	5,24	7,17	6,51	4,56
DIB 47/360	8,92	8,11	7,08	8,24	7,49	6,16	7,73	7,02	5,24	7,33	6,66	4,56
DIB 47/400	9,68	8,79	7,47	8,94	8,12	6,16	8,39	7,62	5,24	7,95	6,85	4,56
DIB 47/450	10,59	9,62	7,47	9,79	8,89	6,16	9,18	7,87	5,24	8,70	6,85	4,56
DIB 47/500	11,47	10,42	7,47	10,60	9,25	6,16	9,94	7,87	5,24	9,13	6,85	4,56
DIB 60/200	6,00	5,45	4,76	5,54	5,03	4,40	5,20	4,72	4,12	4,93	4,47	3,91
DIB 60/220	6,49	5,90	5,15	6,00	5,45	4,76	5,63	5,11	4,46	5,33	4,84	4,23
DIB 60/240	6,97	6,33	5,53	6,44	5,85	5,11	6,04	5,49	4,79	5,72	5,20	4,54
DIB 60/250	7,20	6,54	5,72	6,65	6,05	5,28	6,24	5,67	4,95	5,92	5,37	4,69
DIB 60/280	7,89	7,16	6,26	7,28	6,62	5,78	6,83	6,21	5,42	6,48	5,88	5,14
DIB 60/300	8,33	7,56	6,61	7,69	6,99	6,10	7,22	6,55	5,73	6,84	6,21	5,43
DIB 60/350	9,39	8,53	7,45	8,67	7,88	6,88	8,13	7,39	6,46	7,71	7,00	5,83
DIB 60/360	9,59	8,72	7,61	8,86	8,05	7,03	8,31	7,55	6,60	7,88	7,16	5,83
DIB 60/400	10,40	9,45	8,25	9,61	8,73	7,62	9,01	8,19	6,70	8,54	7,76	5,83
DIB 60/450	11,37	10,33	9,02	10,50	9,54	7,87	9,85	8,95	6,70	9,34	8,48	5,83
DIB 60/500	12,00	11,18	9,54	11,37	10,33	7,87	10,67	9,69	6,70	10,11	8,74	5,83

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 47 and 60 - two-span beam

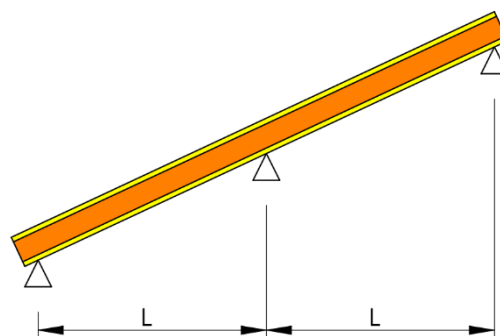
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,36	3,96	3,46	4,18	3,80	3,25	4,04	3,67	2,94	3,91	3,55	2,69
DIB 47/220	4,72	4,29	3,74	4,53	4,12	3,60	4,37	3,97	3,28	4,23	3,84	3,00
DIB 47/240	5,07	4,61	4,02	4,87	4,42	3,62	4,69	4,27	3,28	4,54	4,13	3,00
DIB 47/250	5,24	4,76	4,04	5,03	4,57	3,62	4,85	4,41	3,28	4,70	4,27	3,00
DIB 47/280	5,74	5,22	4,04	5,51	5,01	3,62	5,32	4,83	3,28	5,15	4,51	3,00
DIB 47/300	6,07	5,51	4,04	5,82	5,29	3,62	5,62	4,93	3,28	5,44	4,51	3,00
DIB 47/350	6,85	6,06	4,04	6,57	5,44	3,62	6,34	4,93	3,28	6,01	4,51	3,00
DIB 47/360	7,00	6,06	4,04	6,72	5,44	3,62	6,48	4,93	3,28	6,01	4,51	3,00
DIB 47/400	7,59	6,06	4,04	7,25	5,44	3,62	6,57	4,93	3,28	6,01	4,51	3,00
DIB 47/450	8,08	6,06	4,04	7,25	5,44	3,62	6,57	4,93	3,28	6,01	4,51	3,00
DIB 47/500	8,08	6,06	4,04	7,25	5,44	3,62	6,57	4,93	3,28	6,01	4,51	3,00
DIB 60/200	4,70	4,27	3,67	4,52	4,10	3,29	4,36	3,96	2,98	4,22	3,83	2,73
DIB 60/220	5,09	4,62	4,04	4,89	4,44	3,72	4,71	4,28	3,37	4,56	4,15	3,08
DIB 60/240	5,47	4,96	4,34	5,25	4,77	4,14	5,06	4,60	3,75	4,90	4,45	3,43
DIB 60/250	5,65	5,13	4,48	5,42	4,93	4,30	5,23	4,75	3,95	5,06	4,60	3,61
DIB 60/280	6,18	5,62	4,91	5,94	5,39	4,63	5,73	5,20	4,19	5,54	5,04	3,84
DIB 60/300	6,53	5,93	5,16	6,27	5,70	4,63	6,05	5,49	4,19	5,85	5,32	3,84
DIB 60/350	7,36	6,69	5,16	7,07	6,42	4,63	6,82	6,19	4,19	6,60	5,76	3,84
DIB 60/360	7,52	6,83	5,16	7,22	6,56	4,63	6,97	6,29	4,19	6,74	5,76	3,84
DIB 60/400	8,15	7,41	5,16	7,83	6,94	4,63	7,55	6,29	4,19	7,31	5,76	3,84
DIB 60/450	8,92	7,74	5,16	8,56	6,94	4,63	8,26	6,29	4,19	7,68	5,76	3,84
DIB 60/500	9,65	7,74	5,16	9,26	6,94	4,63	8,39	6,29	4,19	7,68	5,76	3,84

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 72 and 90 - two-span beam

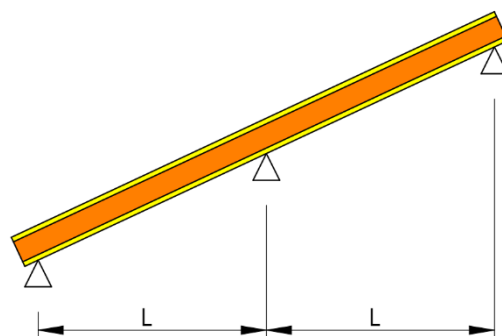
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	6,43	5,84	5,10	5,94	5,40	4,72	5,57	5,06	4,42	5,28	4,80	4,09
DIB 72/220	6,97	6,33	5,53	6,44	5,85	5,11	6,04	5,48	4,79	5,72	5,20	4,54
DIB 72/240	7,48	6,80	5,94	6,91	6,28	5,49	6,48	5,89	5,15	6,15	5,58	4,88
DIB 72/250	7,74	7,03	6,14	7,15	6,49	5,67	6,70	6,09	5,32	6,35	5,77	5,04
DIB 72/280	8,47	7,70	6,72	7,83	7,11	6,21	7,34	6,67	5,83	6,96	6,32	5,52
DIB 72/300	8,95	8,13	7,10	8,27	7,51	6,56	7,75	7,05	6,15	7,35	6,68	5,83
DIB 72/350	10,09	9,17	8,01	9,32	8,47	7,40	8,75	7,95	6,94	8,29	7,53	6,58
DIB 72/360	10,31	9,37	8,19	9,53	8,66	7,56	8,94	8,12	7,09	8,47	7,70	6,72
DIB 72/400	11,18	10,16	8,87	10,33	9,39	8,20	9,69	8,80	7,69	9,18	8,34	6,99
DIB 72/450	12,00	11,11	9,70	11,30	10,26	8,96	10,60	9,63	8,04	10,04	9,12	6,99
DIB 72/500	12,00	12,00	10,50	12,00	11,11	9,44	11,47	10,42	8,04	10,87	9,88	6,99
DIB 90/200	6,89	6,26	5,47	6,36	5,78	5,05	5,97	5,42	4,74	5,66	5,14	4,15
DIB 90/220	7,46	6,77	5,92	6,89	6,26	5,47	6,46	5,87	5,13	6,12	5,56	4,68
DIB 90/240	8,00	7,27	6,35	7,39	6,72	5,87	6,94	6,30	5,50	6,57	5,97	5,22
DIB 90/250	8,27	7,51	6,56	7,64	6,94	6,06	7,17	6,51	5,69	6,79	6,17	5,39
DIB 90/280	9,05	8,22	7,18	8,36	7,60	6,64	7,85	7,13	6,23	7,44	6,76	5,90
DIB 90/300	9,56	8,68	7,58	8,83	8,02	7,01	8,28	7,52	6,57	7,85	7,13	6,23
DIB 90/350	10,77	9,78	8,55	9,95	9,04	7,90	9,33	8,48	7,41	8,85	8,04	7,02
DIB 90/360	11,00	10,00	8,73	10,17	9,24	8,07	9,54	8,66	7,57	9,04	8,21	7,17
DIB 90/400	11,92	10,83	9,46	11,02	10,01	8,74	10,33	9,39	8,20	9,79	8,90	7,77
DIB 90/450	12,00	11,84	10,34	12,00	10,94	9,55	11,29	10,26	8,96	10,70	9,72	8,49
DIB 90/500	12,00	12,00	11,19	12,00	11,83	10,33	12,00	11,10	9,69	11,58	10,52	8,74

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE 15° - 38°

DIB 72 and 90 - two-span beam

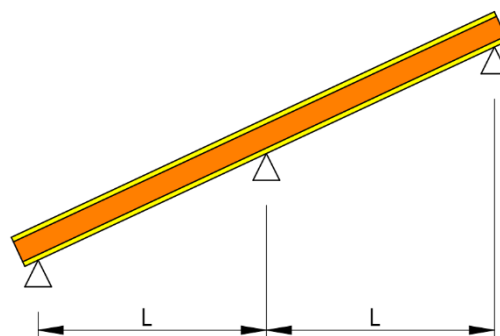
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	15°-38°			15°-38°			15°-38°			15°-38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	5,04	4,58	3,62	4,84	4,40	3,25	4,67	4,24	2,94	4,52	4,04	2,69
DIB 72/220	5,46	4,96	4,10	5,25	4,77	3,67	5,06	4,60	3,33	4,90	4,45	3,05
DIB 72/240	5,87	5,33	4,57	5,63	5,12	4,10	5,43	4,94	3,72	5,26	4,78	3,40
DIB 72/250	6,07	5,51	4,81	5,83	5,29	4,31	5,62	5,10	3,91	5,44	4,94	3,57
DIB 72/280	6,64	6,04	5,27	6,38	5,80	4,95	6,15	5,59	4,49	5,96	5,41	4,10
DIB 72/300	7,02	6,38	5,57	6,74	6,12	5,35	6,50	5,90	4,87	6,29	5,71	4,46
DIB 72/350	7,91	7,19	6,19	7,60	6,90	5,55	7,33	6,66	5,03	7,09	6,45	4,60
DIB 72/360	8,09	7,35	6,19	7,77	7,06	5,55	7,49	6,81	5,03	7,25	6,59	4,60
DIB 72/400	8,77	7,97	6,19	8,42	7,65	5,55	8,12	7,38	5,03	7,86	6,91	4,60
DIB 72/450	9,59	8,71	6,19	9,21	8,33	5,55	8,88	7,55	5,03	8,60	6,91	4,60
DIB 72/500	10,38	9,29	6,19	9,97	8,33	5,55	9,61	7,55	5,03	9,21	6,91	4,60
DIB 90/200	5,40	4,91	3,67	5,19	4,71	3,29	5,00	4,48	2,98	4,84	4,09	2,73
DIB 90/220	5,85	5,31	4,14	5,61	5,10	3,72	5,41	4,92	3,37	5,24	4,62	3,08
DIB 90/240	6,28	5,70	4,62	6,03	5,48	4,14	5,81	5,28	3,75	5,63	5,11	3,43
DIB 90/250	6,49	5,89	4,85	6,23	5,66	4,35	6,01	5,46	3,95	5,81	5,28	3,61
DIB 90/280	7,10	6,45	5,57	6,82	6,19	4,99	6,58	5,97	4,53	6,36	5,78	4,14
DIB 90/300	7,50	6,81	5,95	7,20	6,54	5,42	6,94	6,31	4,91	6,72	6,10	4,49
DIB 90/350	8,45	7,67	6,70	8,11	7,37	6,44	7,82	7,11	5,87	7,57	6,88	5,37
DIB 90/360	8,63	7,84	6,85	8,29	7,53	6,58	7,99	7,26	6,07	7,74	7,03	5,55
DIB 90/400	9,35	8,50	7,42	8,98	8,16	6,94	8,66	7,87	6,29	8,38	7,62	5,76
DIB 90/450	10,22	9,28	7,74	9,81	8,91	6,94	9,46	8,60	6,29	9,16	8,32	5,76
DIB 90/500	11,05	10,04	7,74	10,62	9,64	6,94	10,24	9,30	6,29	9,91	8,64	5,76

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 47 and 60 - two-span beam

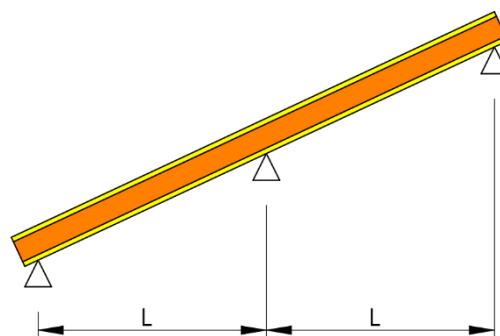
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	5,02	4,56	3,98	4,67	4,24	3,71	4,40	4,00	3,49	4,18	3,80	3,32
DIB 47/220	5,44	4,94	4,32	5,06	4,60	4,01	4,77	4,33	3,78	4,53	4,12	3,60
DIB 47/240	5,84	5,31	4,64	5,43	4,94	4,31	5,12	4,65	4,06	4,87	4,42	3,86
DIB 47/250	6,04	5,49	4,79	5,62	5,10	4,46	5,29	4,81	4,20	5,03	4,57	3,99
DIB 47/280	6,62	6,01	5,25	6,15	5,59	4,88	5,80	5,27	4,60	5,51	5,01	4,38
DIB 47/300	6,99	6,35	5,55	6,50	5,91	5,16	6,13	5,57	4,86	5,82	5,29	4,62
DIB 47/350	7,89	7,17	6,26	7,34	6,67	5,82	6,91	6,28	5,49	6,57	5,97	5,18
DIB 47/360	8,06	7,33	6,40	7,50	6,81	5,95	7,07	6,42	5,61	6,72	6,10	5,18
DIB 47/400	8,75	7,95	6,94	8,14	7,39	6,46	7,67	6,96	5,89	7,29	6,62	5,18
DIB 47/450	9,57	8,70	7,60	8,90	8,09	6,82	8,39	7,62	5,89	7,98	7,25	5,18
DIB 47/500	10,37	9,42	8,11	9,65	8,76	6,82	9,09	8,26	5,89	8,64	7,78	5,18
DIB 60/200	5,42	4,92	4,30	5,04	4,58	4,00	4,75	4,32	3,77	4,52	4,10	3,58
DIB 60/220	5,87	5,33	4,66	5,46	4,96	4,33	5,14	4,67	4,08	4,89	4,44	3,88
DIB 60/240	6,30	5,72	5,00	5,86	5,32	4,65	5,52	5,01	4,38	5,25	4,77	4,16
DIB 60/250	6,51	5,91	5,17	6,05	5,50	4,80	5,70	5,18	4,53	5,42	4,93	4,30
DIB 60/280	7,13	6,47	5,66	6,63	6,02	5,26	6,25	5,67	4,96	5,94	5,39	4,71
DIB 60/300	7,52	6,84	5,97	7,00	6,36	5,55	6,59	5,99	5,23	6,27	5,70	4,98
DIB 60/350	8,48	7,71	6,73	7,89	7,17	6,26	7,43	6,75	5,90	7,07	6,42	5,61
DIB 60/360	8,67	7,88	6,88	8,06	7,33	6,40	7,60	6,90	6,03	7,22	6,56	5,73
DIB 60/400	9,40	8,54	7,46	8,74	7,94	6,94	8,24	7,48	6,54	7,83	7,11	6,21
DIB 60/450	10,28	9,34	8,16	9,56	8,68	7,59	9,01	8,18	7,15	8,56	7,78	6,62
DIB 60/500	11,12	10,11	8,83	10,35	9,40	8,21	9,75	8,86	7,52	9,27	8,42	6,62

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 47 and 60 - two-span beam

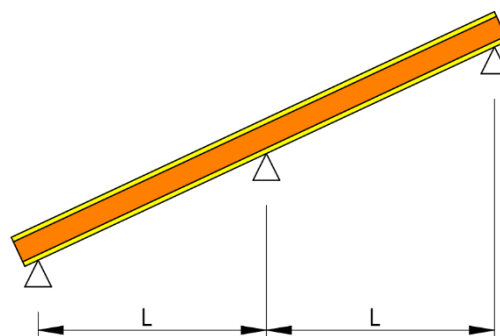
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 47/200	4,00	3,64	3,18	3,85	3,50	3,06	3,72	3,38	2,95	3,61	3,28	2,86
DIB 47/220	4,34	3,94	3,44	4,17	3,79	3,31	4,03	3,66	3,20	3,90	3,55	3,10
DIB 47/240	4,66	4,23	3,70	4,48	4,07	3,56	4,33	3,93	3,43	4,20	3,81	3,33
DIB 47/250	4,82	4,38	3,82	4,63	4,21	3,68	4,48	4,07	3,55	4,34	3,94	3,44
DIB 47/280	5,28	4,79	4,19	5,08	4,61	4,03	4,90	4,45	3,81	4,75	4,32	3,50
DIB 47/300	5,57	5,06	4,42	5,36	4,87	4,18	5,18	4,71	3,81	5,02	4,56	3,50
DIB 47/350	6,29	5,72	4,63	6,05	5,50	4,18	5,85	5,31	3,81	5,67	5,15	3,50
DIB 47/360	6,43	5,84	4,63	6,19	5,62	4,18	5,98	5,43	3,81	5,79	5,25	3,50
DIB 47/400	6,98	6,34	4,63	6,71	6,10	4,18	6,48	5,72	3,81	6,28	5,25	3,50
DIB 47/450	7,63	6,94	4,63	7,34	6,27	4,18	7,09	5,72	3,81	6,87	5,25	3,50
DIB 47/500	8,27	6,94	4,63	7,96	6,27	4,18	7,62	5,72	3,81	7,00	5,25	3,50
DIB 60/200	4,32	3,93	3,43	4,16	3,78	3,30	4,02	3,65	3,19	3,89	3,54	3,09
DIB 60/220	4,68	4,25	3,71	4,50	4,09	3,57	4,35	3,95	3,45	4,21	3,83	3,34
DIB 60/240	5,02	4,56	3,99	4,83	4,39	3,83	4,67	4,24	3,70	4,52	4,11	3,59
DIB 60/250	5,19	4,72	4,12	4,99	4,54	3,96	4,82	4,38	3,83	4,67	4,25	3,71
DIB 60/280	5,68	5,16	4,51	5,47	4,97	4,34	5,28	4,80	4,19	5,12	4,65	4,06
DIB 60/300	6,00	5,45	4,76	5,77	5,24	4,58	5,58	5,07	4,42	5,40	4,91	4,29
DIB 60/350	6,77	6,15	5,37	6,51	5,91	5,16	6,29	5,71	4,86	6,09	5,53	4,47
DIB 60/360	6,91	6,28	5,49	6,65	6,04	5,28	6,42	5,84	4,86	6,23	5,66	4,47
DIB 60/400	7,49	6,81	5,91	7,21	6,55	5,34	6,96	6,33	4,86	6,75	6,13	4,47
DIB 60/450	8,20	7,45	5,91	7,88	7,16	5,34	7,62	6,92	4,86	7,38	6,70	4,47
DIB 60/500	8,87	8,06	5,91	8,54	7,75	5,34	8,24	7,30	4,86	7,99	6,71	4,47

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 72 and 90 - two-span beam

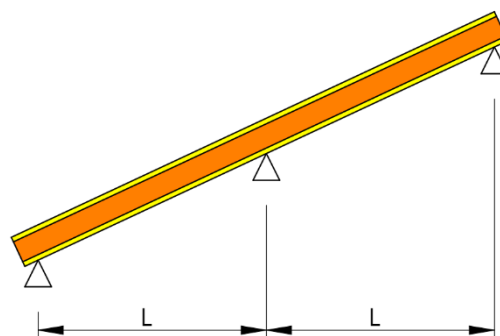
LOAD CAPACITY	1,0 kN/m ²			1,5 kN/m ²			2,0 kN/m ²			2,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	5,81	5,28	4,61	5,41	4,91	4,29	5,09	4,63	4,04	4,84	4,40	3,84
DIB 72/220	6,30	5,72	5,00	5,86	5,32	4,65	5,52	5,01	4,38	5,25	4,77	4,16
DIB 72/240	6,76	6,14	5,37	6,29	5,71	4,99	5,93	5,38	4,70	5,63	5,12	4,47
DIB 72/250	6,99	6,35	5,55	6,50	5,91	5,16	6,13	5,57	4,86	5,83	5,29	4,62
DIB 72/280	7,66	6,96	6,08	7,12	6,47	5,65	6,71	6,10	5,33	6,38	5,80	5,06
DIB 72/300	8,09	7,35	6,42	7,52	6,83	5,97	7,09	6,44	5,62	6,74	6,12	5,35
DIB 72/350	9,12	8,29	7,24	8,48	7,71	6,73	7,99	7,26	6,34	7,60	6,90	6,03
DIB 72/360	9,32	8,47	7,40	8,67	7,88	6,88	8,17	7,42	6,48	7,77	7,06	6,16
DIB 72/400	10,11	9,18	8,02	9,40	8,54	7,46	8,86	8,05	7,03	8,42	7,65	6,68
DIB 72/450	11,05	10,04	8,77	10,28	9,34	8,16	9,68	8,80	7,69	9,21	8,37	7,31
DIB 72/500	11,96	10,87	9,49	11,13	10,11	8,83	10,48	9,52	8,32	9,97	9,06	7,91
DIB 90/200	6,23	5,66	4,94	5,79	5,26	4,60	5,46	4,96	4,33	5,19	4,71	4,12
DIB 90/220	6,74	6,12	5,35	6,27	5,69	4,97	5,91	5,36	4,69	5,61	5,10	4,46
DIB 90/240	7,23	6,57	5,74	6,73	6,11	5,34	6,34	5,76	5,03	6,03	5,48	4,78
DIB 90/250	7,48	6,79	5,93	6,95	6,32	5,52	6,55	5,95	5,20	6,23	5,66	4,94
DIB 90/280	8,18	7,43	6,49	7,61	6,91	6,04	7,17	6,51	5,69	6,82	6,19	5,41
DIB 90/300	8,64	7,85	6,85	8,03	7,30	6,38	7,57	6,88	6,01	7,20	6,54	5,71
DIB 90/350	9,73	8,84	7,72	9,05	8,22	7,18	8,53	7,75	6,77	8,11	7,37	6,44
DIB 90/360	9,95	9,04	7,89	9,25	8,40	7,34	8,72	7,92	6,92	8,29	7,53	6,58
DIB 90/400	10,78	9,79	8,55	10,02	9,11	7,95	9,44	8,58	7,49	8,98	8,16	7,13
DIB 90/450	11,78	10,70	9,35	10,95	9,95	8,69	10,32	9,38	8,19	9,81	8,91	7,79
DIB 90/500	12,00	11,57	10,11	11,85	10,77	9,40	11,16	10,14	8,86	10,62	9,64	8,42

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 1,0 to 2,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



ROOF ANGLE > 38°

DIB 72 and 90 - two-span beam

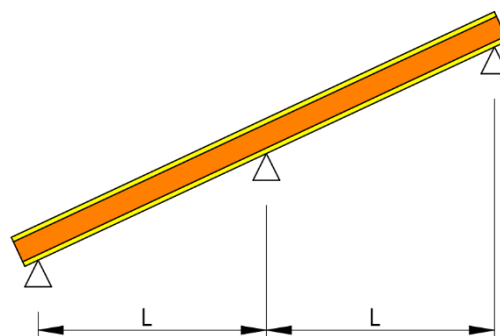
LOAD CAPACITY	3,0 kN/m ²			3,5 kN/m ²			4,0 kN/m ²			4,5 kN/m ²		
ROOF ANGLE	>38°			>38°			>38°			>38°		
CENTER SPACING	300	400	600	300	400	600	300	400	600	300	400	600
DIB 72/200	4,64	4,21	3,68	4,46	4,05	3,54	4,31	3,91	3,42	4,17	3,79	3,14
DIB 72/220	5,02	4,56	3,98	4,83	4,39	3,83	4,67	4,24	3,70	4,52	4,11	3,55
DIB 72/240	5,39	4,90	4,28	5,19	4,71	4,12	5,01	4,55	3,98	4,86	4,41	3,85
DIB 72/250	5,58	5,07	4,42	5,36	4,87	4,26	5,18	4,71	4,11	5,02	4,56	3,98
DIB 72/280	6,11	5,55	4,85	5,87	5,34	4,66	5,67	5,15	4,50	5,50	5,00	4,36
DIB 72/300	6,45	5,86	5,12	6,20	5,64	4,92	5,99	5,44	4,76	5,81	5,28	4,61
DIB 72/350	7,27	6,61	5,77	7,00	6,36	5,55	6,76	6,14	5,36	6,55	5,95	5,20
DIB 72/360	7,43	6,75	5,90	7,15	6,50	5,68	6,91	6,28	5,48	6,69	6,08	5,31
DIB 72/400	8,06	7,32	6,40	7,75	7,04	6,15	7,49	6,80	5,84	7,26	6,59	5,36
DIB 72/450	8,81	8,01	6,99	8,48	7,70	6,40	8,19	7,44	5,84	7,94	7,21	5,36
DIB 72/500	9,54	8,67	7,09	9,18	8,34	6,40	8,86	8,05	5,84	8,59	7,80	5,36
DIB 90/200	4,97	4,51	3,94	4,78	4,34	3,79	4,61	4,19	3,46	4,47	4,06	3,18
DIB 90/220	5,37	4,88	4,26	5,17	4,70	4,10	4,99	4,54	3,91	4,84	4,40	3,59
DIB 90/240	5,77	5,24	4,58	5,55	5,04	4,40	5,36	4,87	4,25	5,19	4,72	4,00
DIB 90/250	5,96	5,42	4,73	5,74	5,21	4,55	5,54	5,03	4,40	5,37	4,88	4,21
DIB 90/280	6,53	5,93	5,18	6,28	5,70	4,98	6,06	5,51	4,81	5,88	5,34	4,66
DIB 90/300	6,89	6,26	5,47	6,63	6,02	5,26	6,40	5,82	5,08	6,20	5,64	4,92
DIB 90/350	7,76	7,05	6,16	7,47	6,78	5,93	7,21	6,55	5,72	6,99	6,35	5,55
DIB 90/360	7,93	7,21	6,29	7,63	6,93	6,06	7,37	6,70	5,85	7,14	6,49	5,67
DIB 90/400	8,59	7,81	6,82	8,27	7,51	6,56	7,99	7,26	6,34	7,74	7,03	6,14
DIB 90/450	9,39	8,53	7,45	9,03	8,21	7,17	8,73	7,93	6,93	8,46	7,68	6,71
DIB 90/500	10,16	9,23	8,06	9,77	8,88	7,76	9,44	8,58	7,30	9,15	8,31	6,71

Span table notes:

1. All loads are assumed to be uniformly distributed
2. 0.95 kN/m² dead load allowance.
3. The applied snow load from 3,0 to 4,5 kN/m².
4. Form factor 0,8.
5. Span tables are calculated in accordance with EC5.
6. Max. deflection L/200.
7. The results in the table do not include wind loads.

General notes:

1. Please pay special attention to the bearing conditions.
2. Do not use these tables to calculate point or irregular loads.
3. Span table is for roof joists under service class 2.
4. The beams are prevented from lateral torsional buckling.



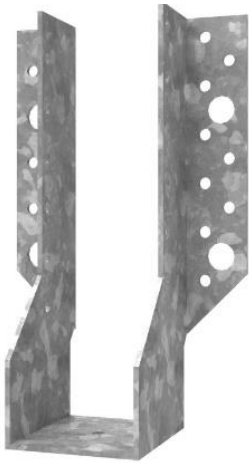
BSNN Hanger - beam hanger with arms bent outwards

Application

- For the connection of wooden elements with widths of 48 - 140 mm to the main element made of DIB beams, wood, wood-based materials or concrete.

Connection

- Primary element: DIB beams, solid wood, composite wood, glued laminated timber, concrete.
- Secondary element: DIB beams, solid wood, composite wood, laminated wood.

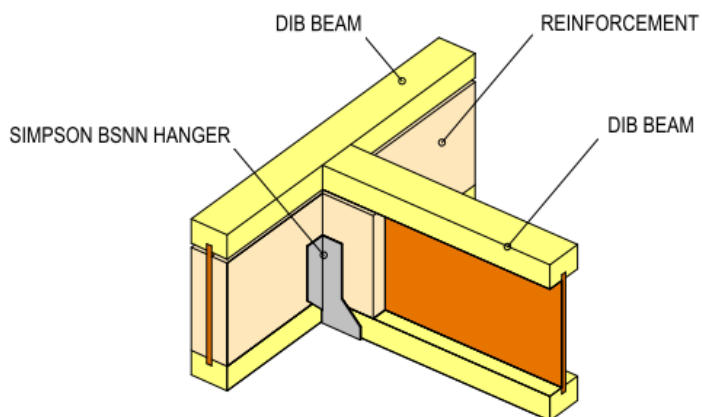
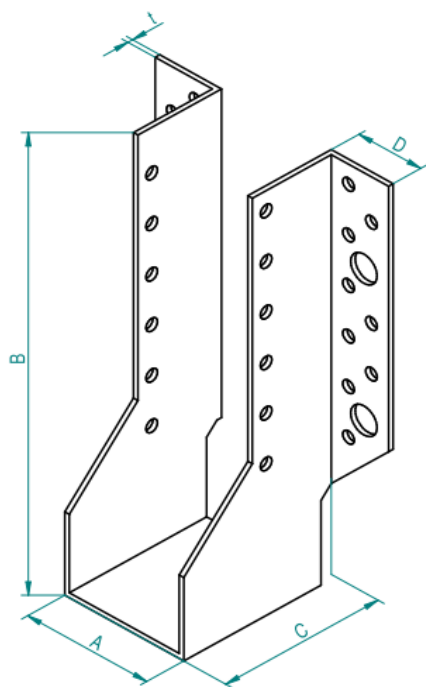
Hanger	Type	Dimensions [mm]					Holes - quantity		
							PE		SE
		A	B	C	D	t	Ø5	Ø11,5	Ø5
	BSNN 48/91	48	91	63	27	2	8	2	6
	BSNN 48/166	48	166	63	27	2	18	4	12
	BSNN 48/226	48	226	63	27	2	26	4	16
	BSNN 60/190	60	160	63	27	2	22	4	14
	BSNN 60/220	60	220	63	27	2	26	4	16
	BSNN 73/124	73	124	63	27	2	16	2	10
	BSNN 73/154	73	154	63	27	2	18	4	12
	BSNN 73/184	73	184	63	27	2	22	4	14
	BSNN 90/145	90	145	63	27	2	18	4	12
	BSNN 90/205	90	205	63	27	2	26	4	16
	BSNN 100/200	100	200	63	27	2	26	4	16
	BSNN 140/180	140	180	63	27	2	26	4	16

Marking:

PE - Primary element
SE - Secondary element

Material:

- Steel Grade: S250GD
- Corrosion protection: Sendzimir hot-dip galvanized Z 275 g/m² (20 µm)



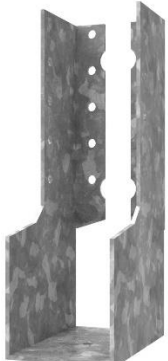
BSIN Hanger - beam hanger with arms bent inward

Application

- For the connection of wooden elements with widths of 48 - 140 mm to the main element made of DIB beams, wood, wood-based materials or concrete.

Connection

- Primary element: DIB beams, solid wood, composite wood, glued laminated timber, concrete.
- Secondary element: DIB beams, solid wood, composite wood, laminated wood.

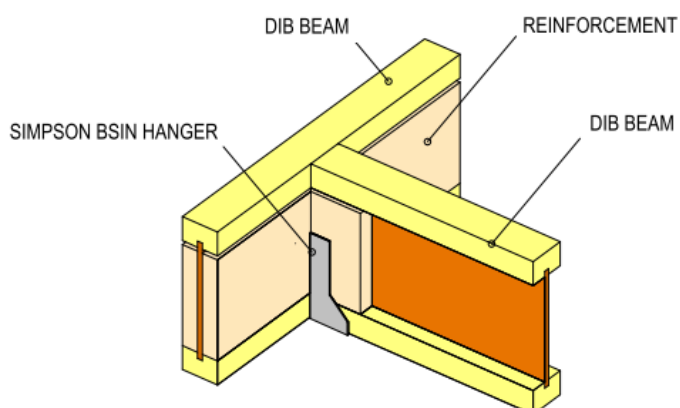
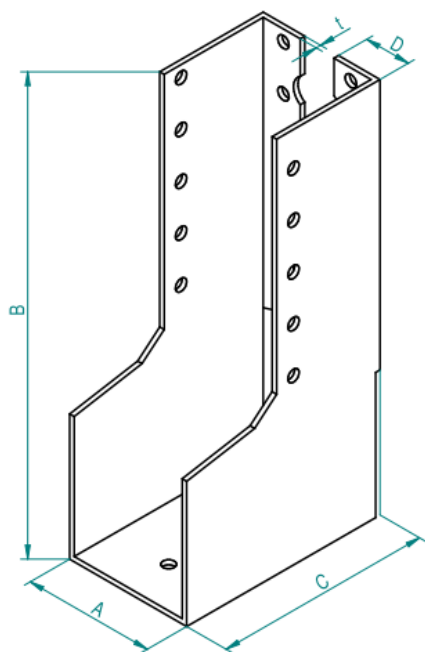
Hanger	Type	Dimensions [mm]					Holes - quantity	
							PE	SE
		A	B	C	D	t	Ø5	Ø5
	BSI 48/166	48	166	86	18,5	2	10	10
	BSI 60/160	60	160	86	18,5	2	10	10
	BSI 80/180	80	180	82	34,0	2	26	15
	BSI 90/145	90	145	82	34	2	20	12
	BSI 98/141	98	141	82	34	2	20	12
	BSI 100/200	100	200	82	34	2	32	18

Marking:

PE - Primary element
SE - Secondary element

Material:

- Steel Grade: S250GD
- Corrosion protection: Sendzimir hot-dip galvanized Z 275 g/m² (20 µm)



Nails and Screws - solutions for fixing DUDEK I-Beams

Nails

Application

- Fixing connectors to timber including solid wood, composite lumber and glued-laminated timber.

Nails	Type	Dimensions [mm]		Packaging
		Ø	L	
	CNA3.7x50	3.7	50,0	250 pcs.
	CNA4.0x35	4.0	35,0	250 pcs.
	CNA4.0x40	4.0	40,0	250 pcs.
	CNA4.0x50	4.0	50,0	250 pcs.
	CNA4.0x60	4.0	60,0	250 pcs.
	CNA4.0x75	4.0	75,0	250 pcs.
	CNA4.0x100	4.0	100,0	250 pcs.

Material:

- Steel
- Corrosion protection: Galvanized

Screws

Application

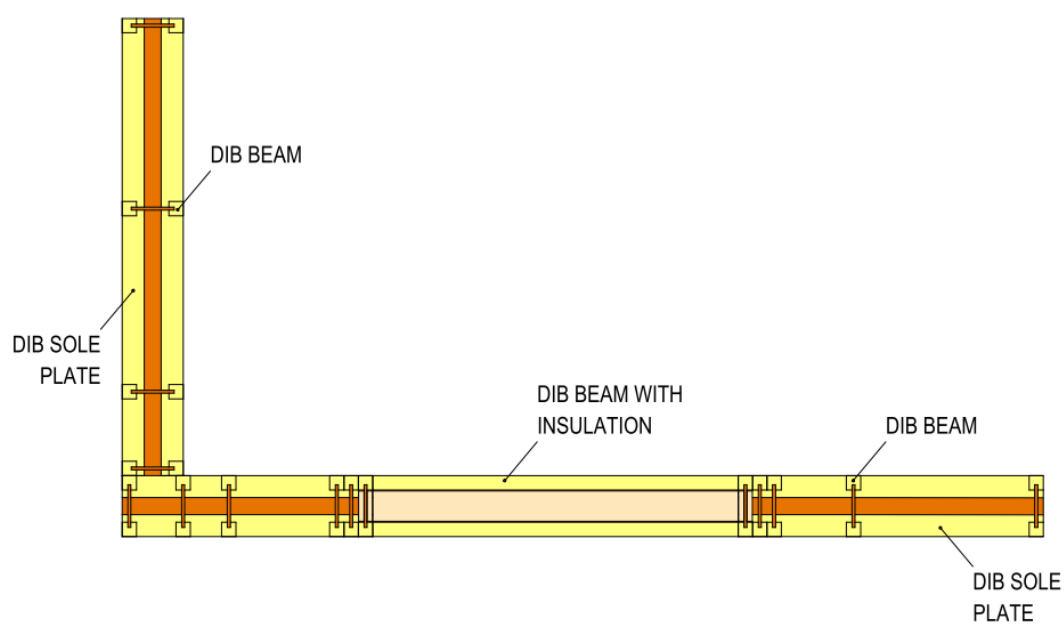
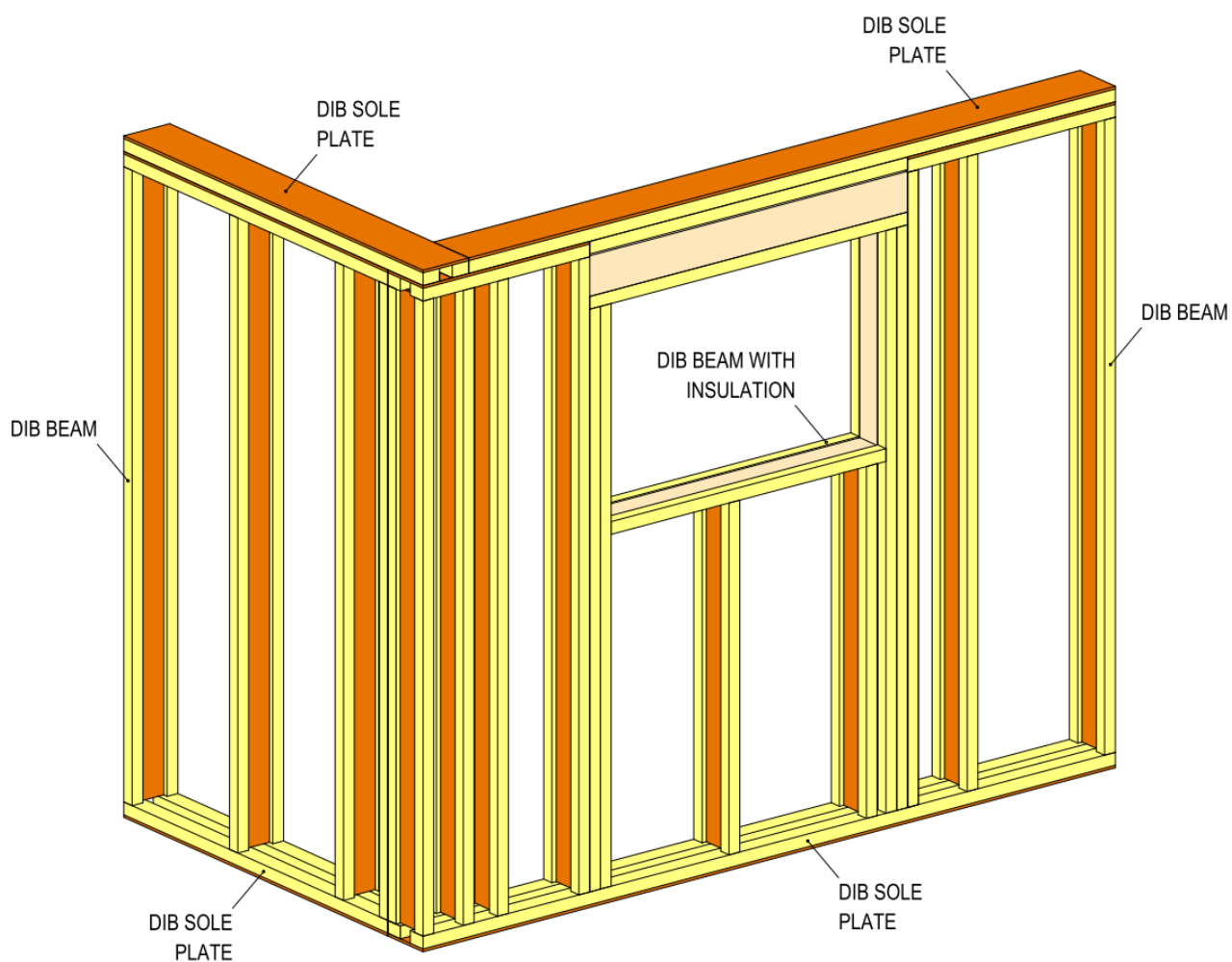
- Fixing connectors to timber:
- Joist hangers
- Angle brackets
- Straps

Screws	Type	Dimensions [mm]		Packaging
		Ø	L	
	CSA4.0x30	4.0	30,0	250 pcs.
	CSA5.0x35	5.0	35,0	250 pcs.
	CSA5.0x40	5.0	40,0	250 pcs.
	CSA5.0x50	5.0	50,0	250 pcs.
	CSA5.0x80	5.0	80,0	200 pcs.

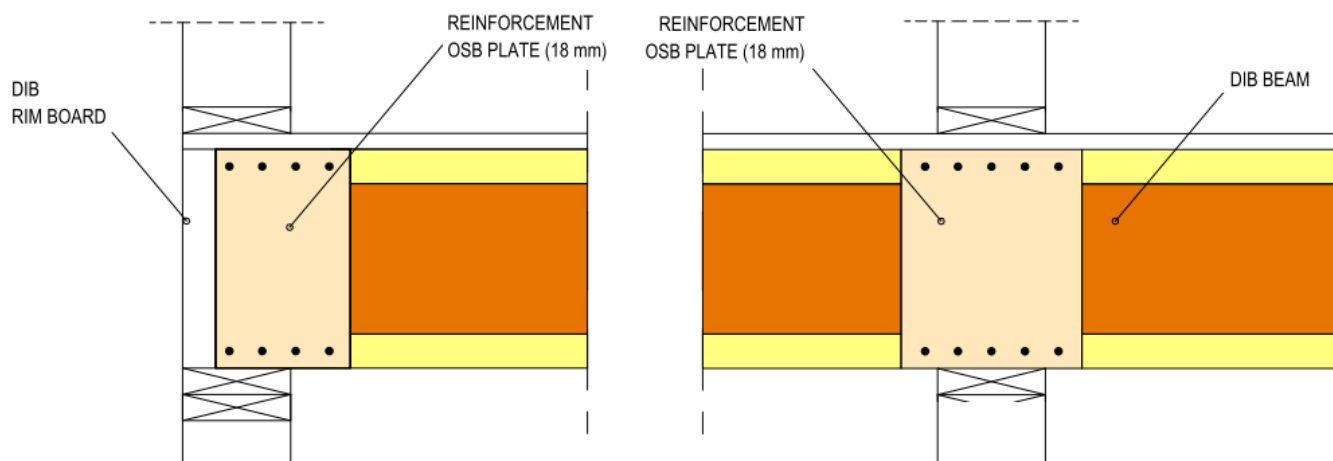
Material:

- Steel
- Corrosion protection: Gold galvanized

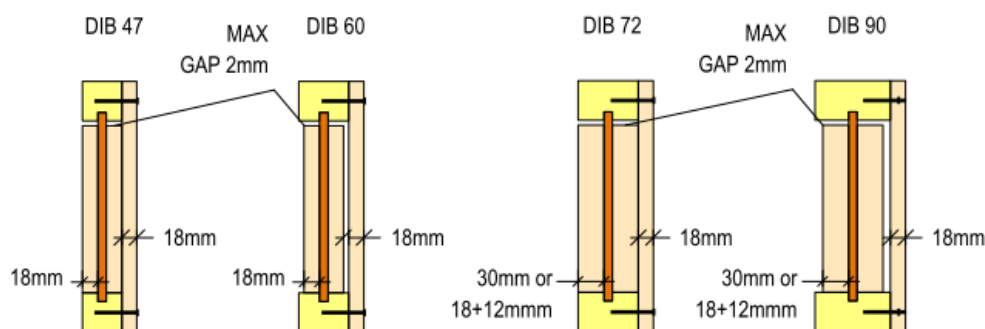
Connection of two wall modules



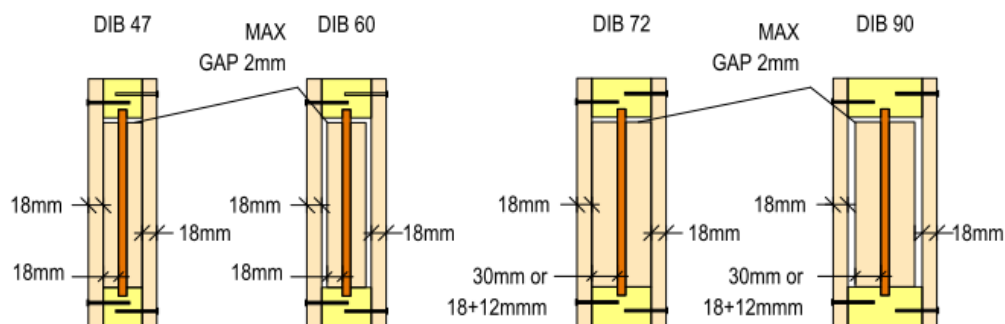
Beam reinforcement - external/internal bearing wall



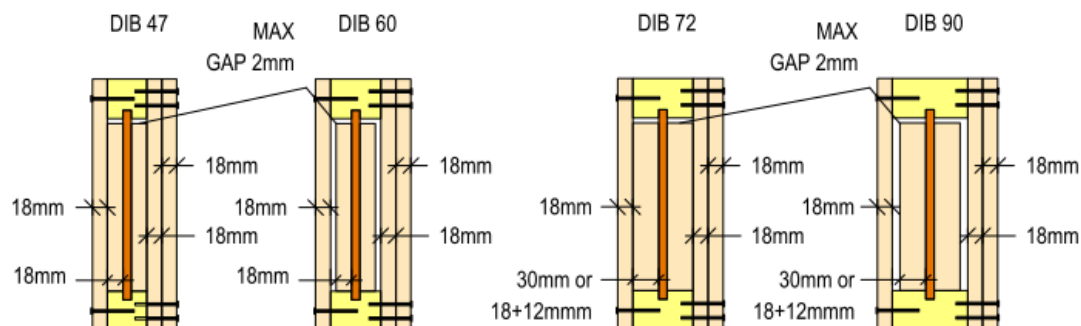
F06-300 / F06-400 - Single reinforcements



F06-310 / F06-410 - Double reinforcements

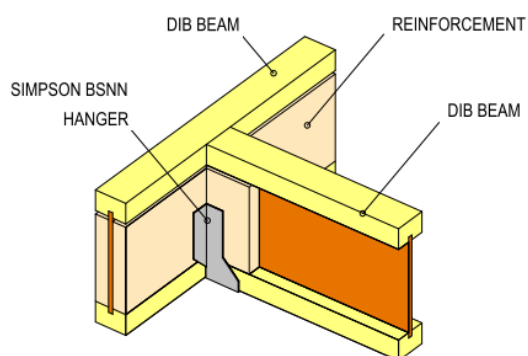


F06-320 / F06-420 - Triple reinforcements

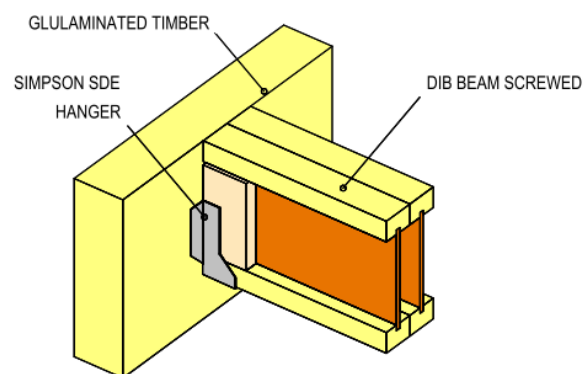
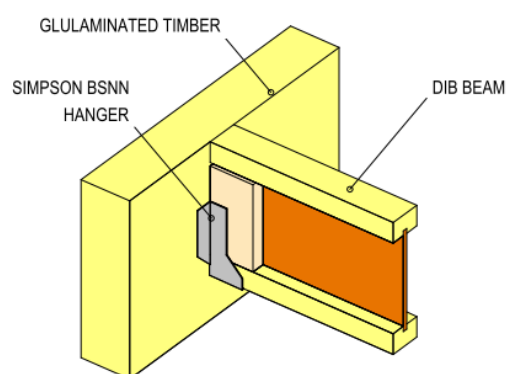
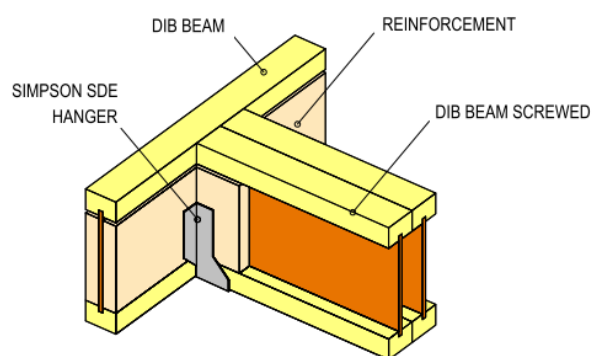


Hangers

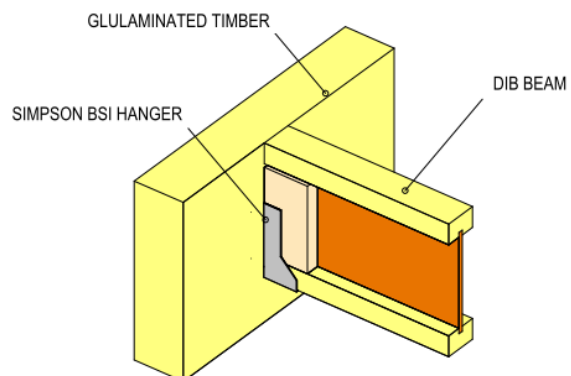
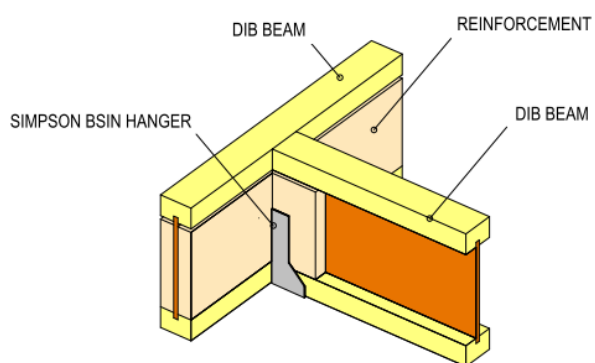
F08-300 - Hangers BSNN



F08-350 - Hangers SDE

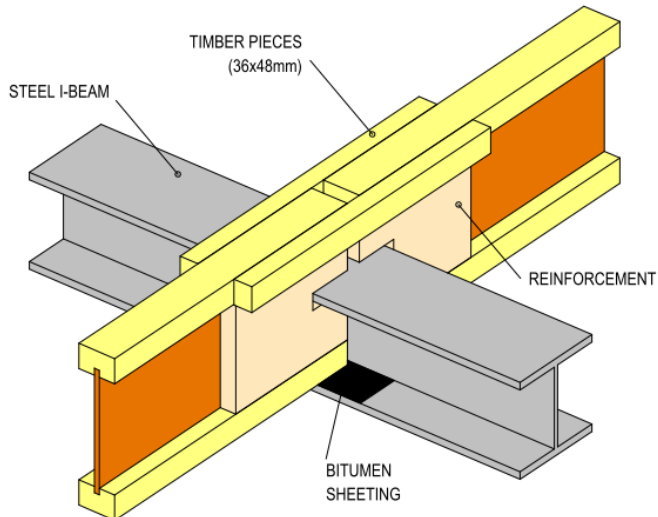


F08-400 - Hangers BSIN

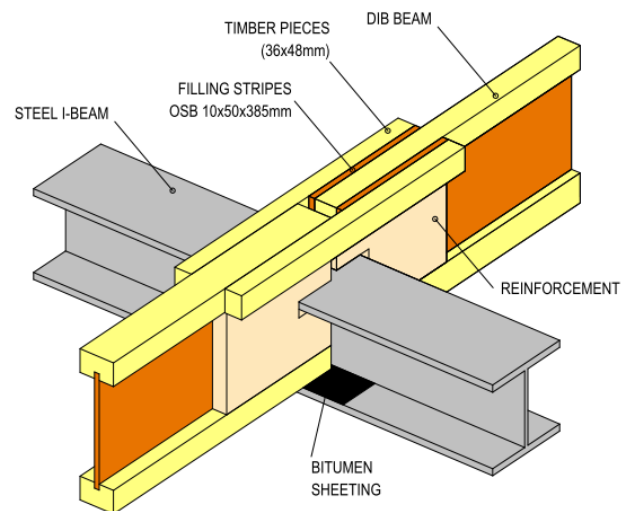


Connection of DUDEK I-Beams to steel I-beams

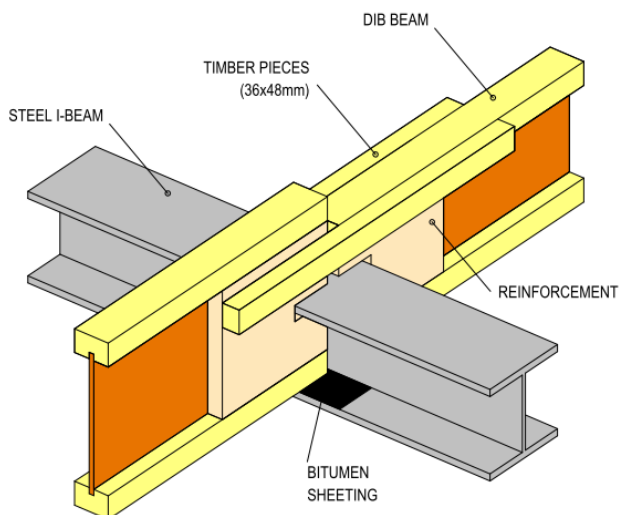
F09-100 - Same width of beams



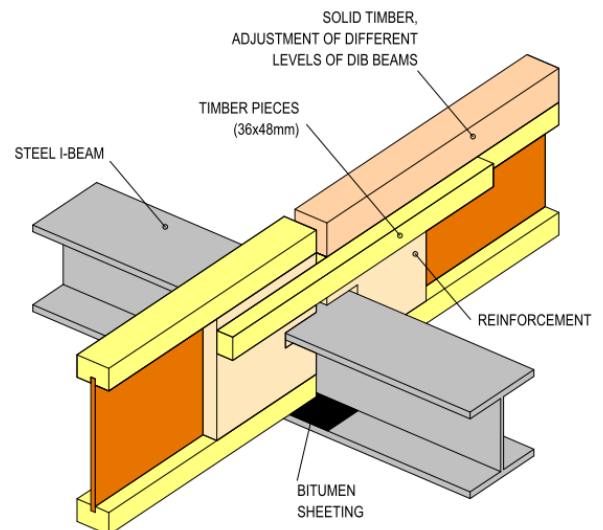
F09-250 - Different width of beams



F09-300 - Different height of beams

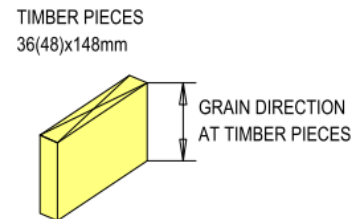
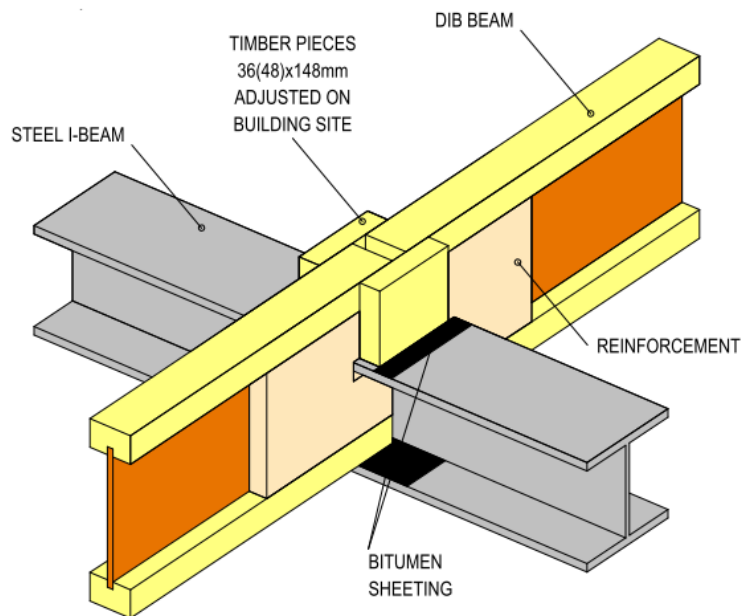


F09-310 - Different height of beams + solid timber

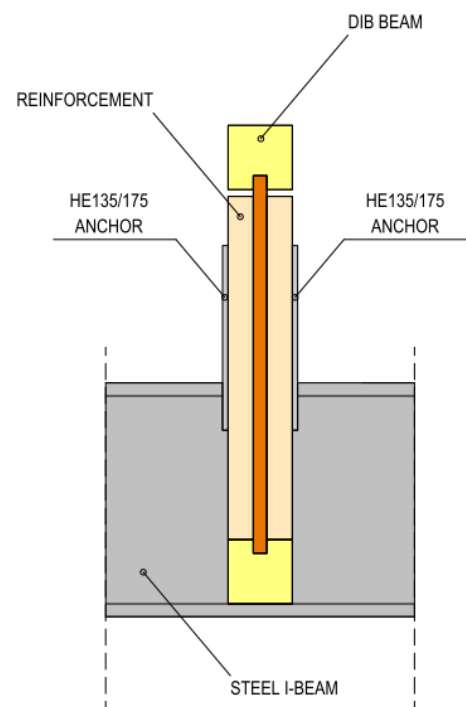
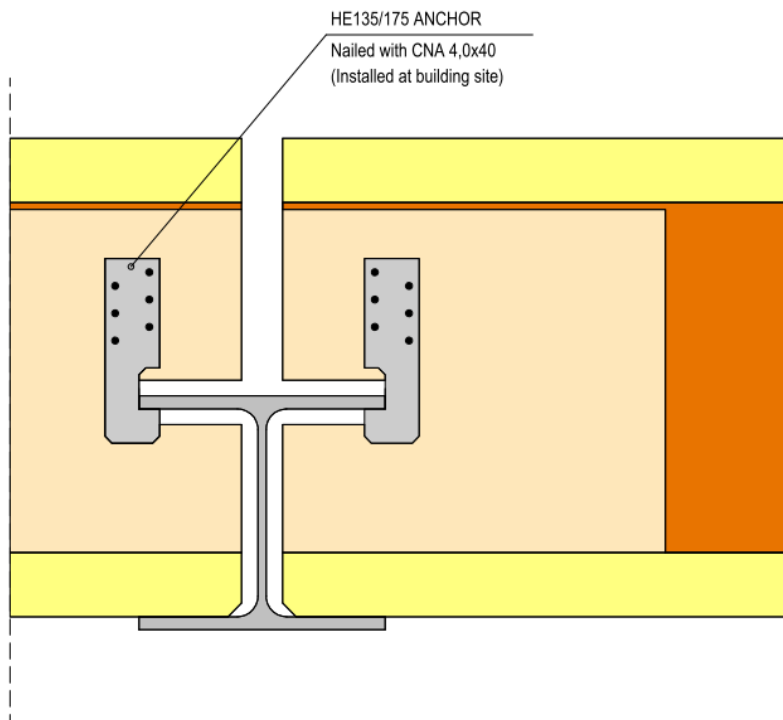


Connection of DUDEK I-Beams to steel I-beams

F09-400 – Bearing wall above

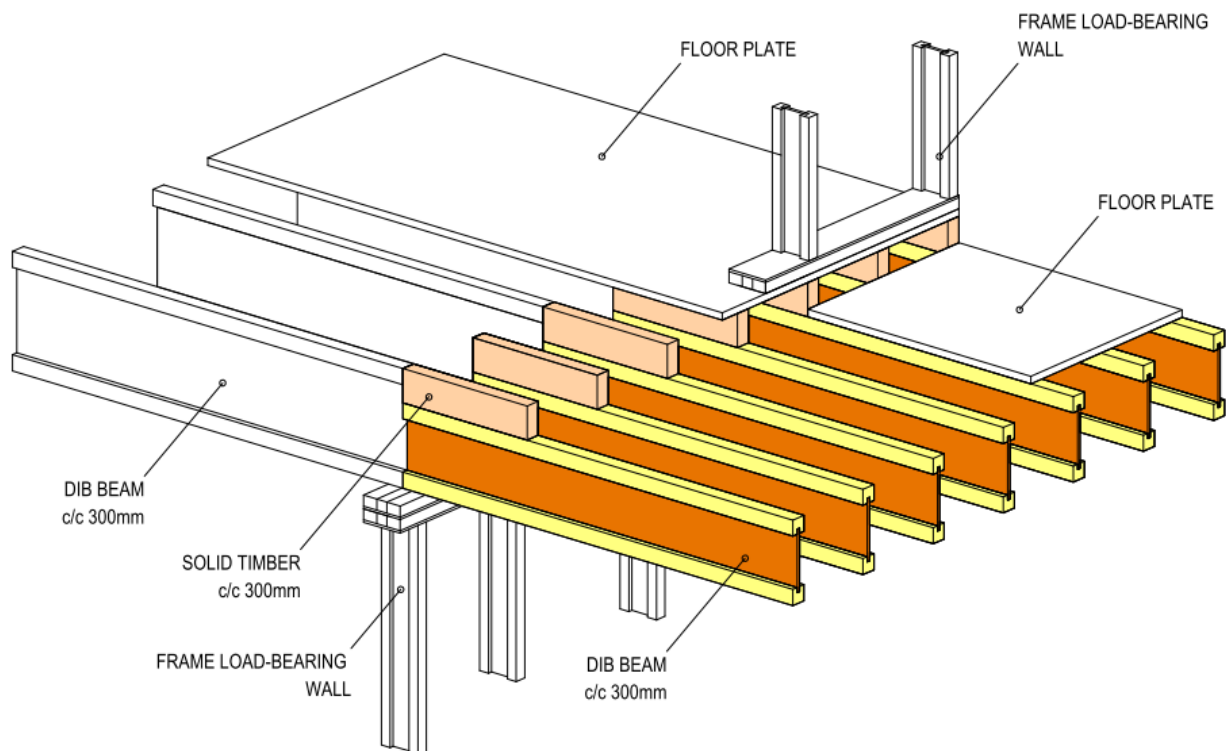
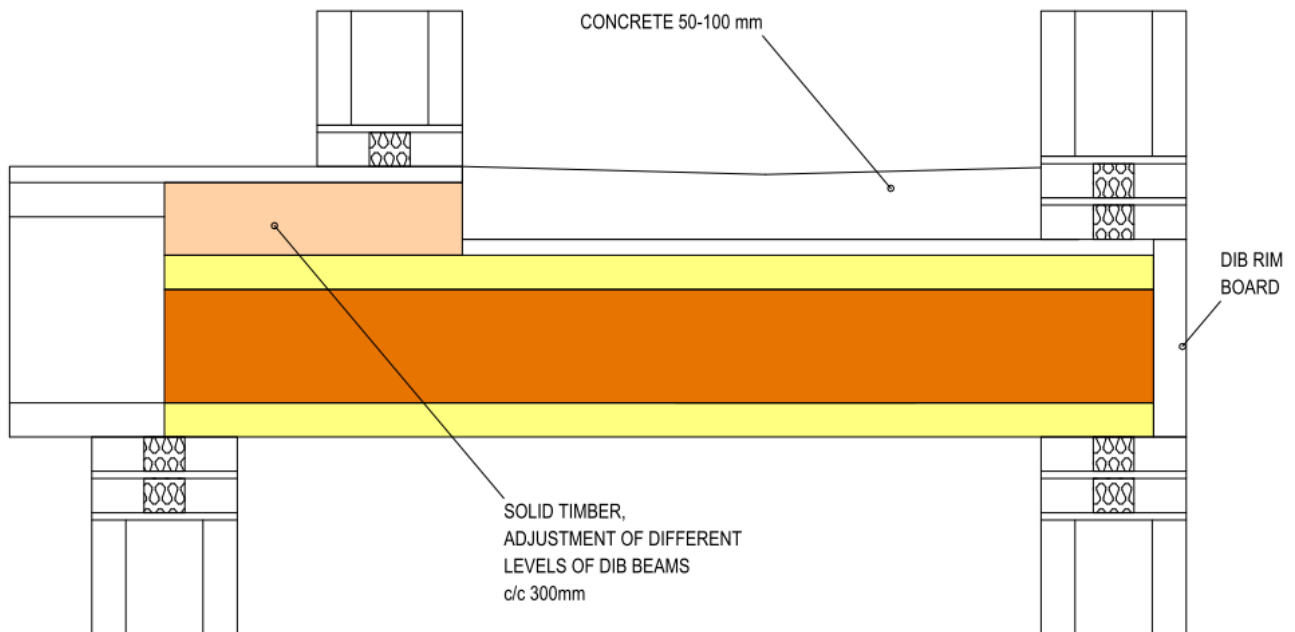


F09-500 - Solution for uplift reactions



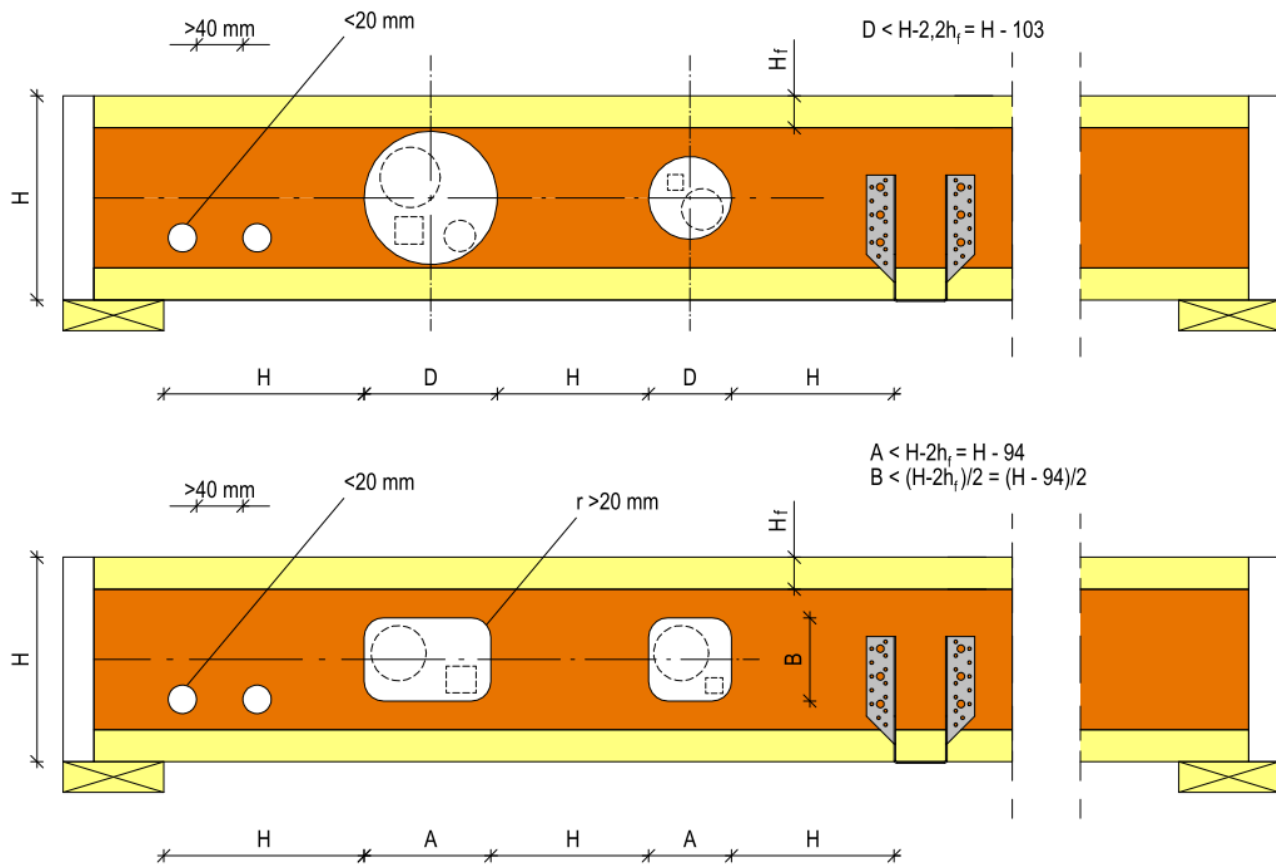
DUDEK I-Beams with 50-100mm concrete slab.

F10-200 - Adjustment of different levels of DIB beams, c/c 300mm.



Service holes in DUDEK I-Beams

F11-100 – Service holes, rules.



Service holes – main rules

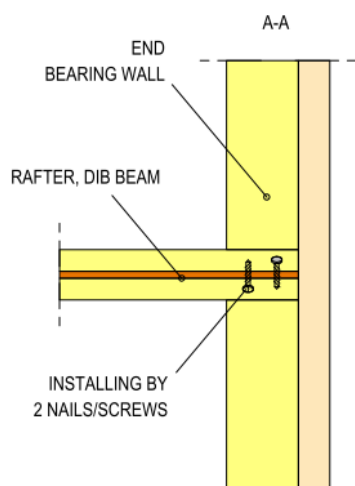
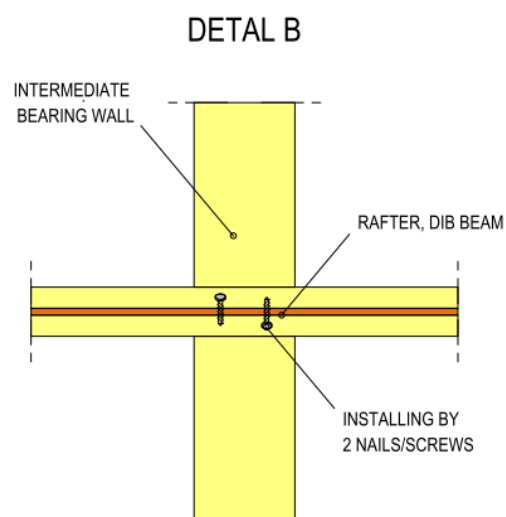
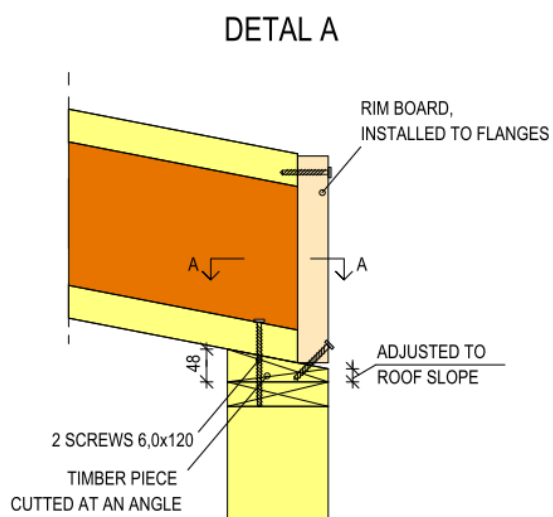
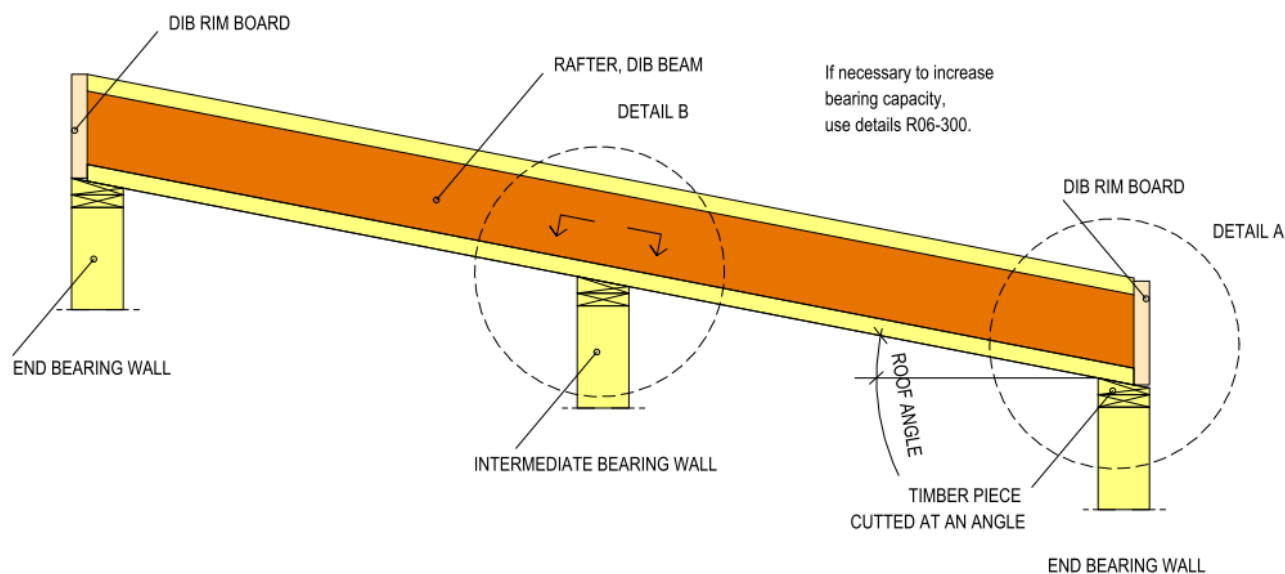
- Do not drill holes or make cutouts in the beam flanges.
- For each hole whose diameter is larger than 20 mm, check the shear forces with the reduction factor k .

$$k = (H - h_f - 0,9D) / (H - h_f)$$
- Rectangular holes and holes with a diameter ≥ 20 mm should be located centrally along the beam axis.
- For rectangular holes and holes with a diameter ≥ 20 mm, the distance from the edge of the support or point load must not be less than the height of the beam in which the holes are made.
- The maximum diameter of a circular hole is the height of the beam $H - 103$ mm.
- Holes with a diameter < 20 mm can be located anywhere on the web of the beam.
- For holes with a diameter < 20 mm, the distances between a group of holes should be greater than 40 mm between the edges of the holes.
- Rectangular holes must have corner radius of min. 20 mm.
- The maximum height A and maximum length B of a rectangular hole are:

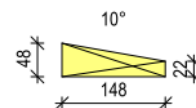
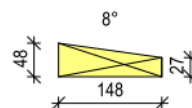
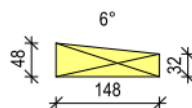
$$A < H - 2h_f$$

$$B < (H - 2h_f)/2$$
- Rectangular holes and holes with diameters ≥ 20 mm that are not centrally located in the axis of the beam or a group of holes must be placed together in a circular or rectangular hole that meets the corresponding guidelines for it.

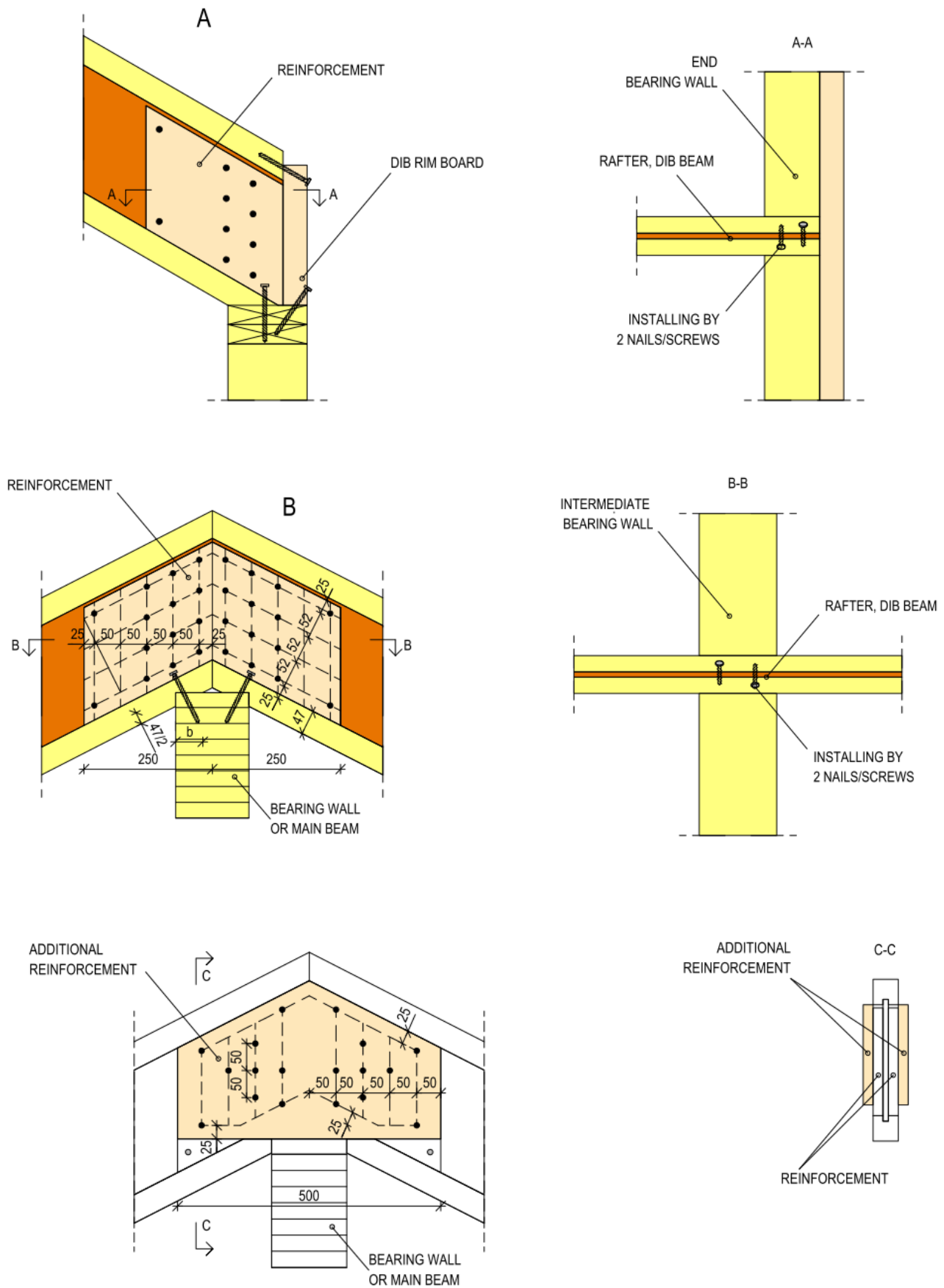
R04-300 – Installation of beams at roofs with angle $\alpha \leq 15^\circ$



TYPICAL TIMBER PIECE CUTTED AT AN ANGLE

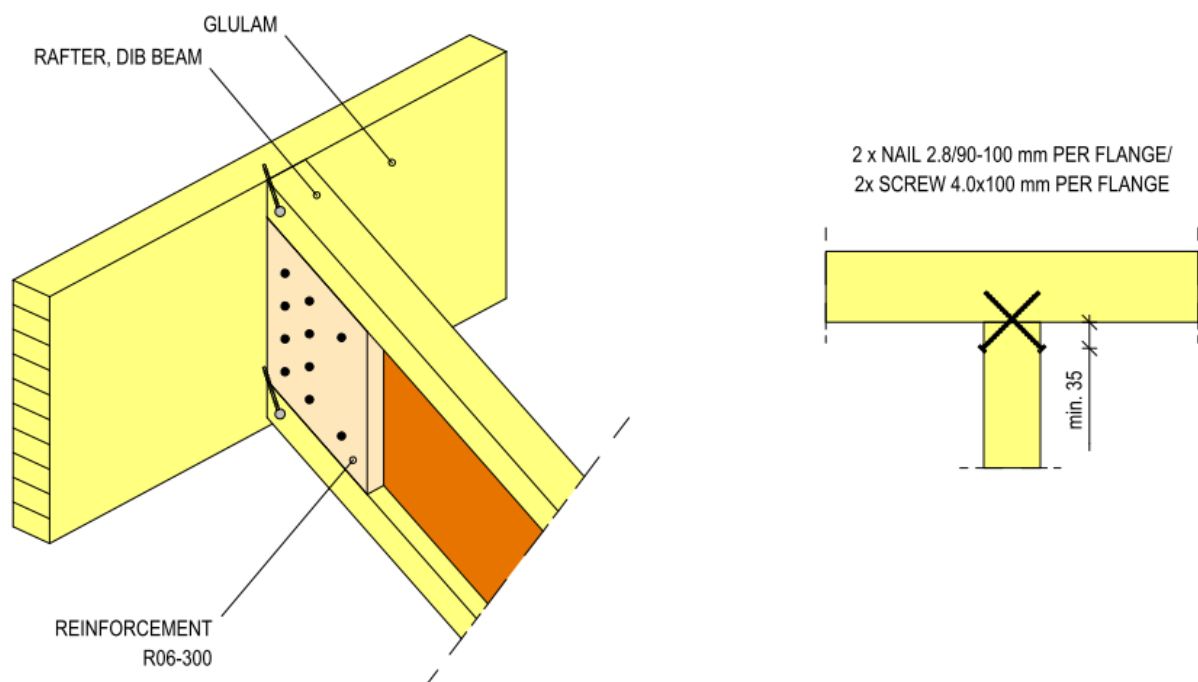


R04-350 - Installation of beams at roofs with angle $15^\circ < \alpha < 45^\circ$

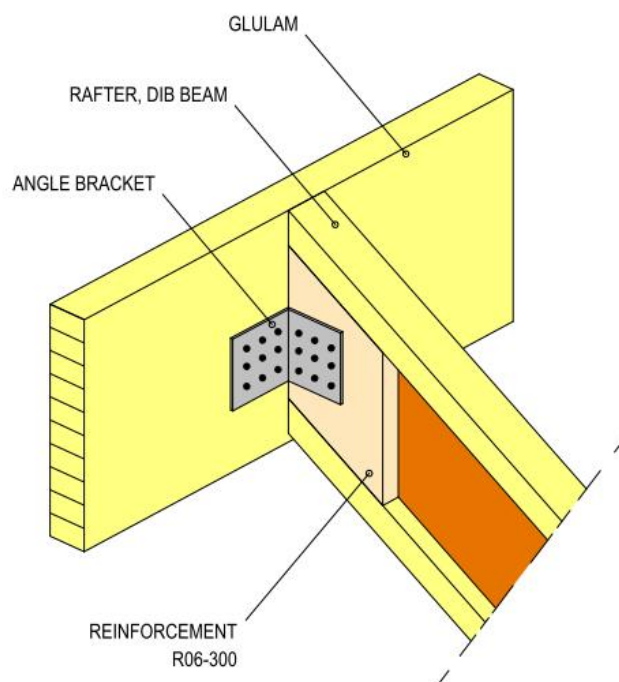


R07-100 - Beams connection at horizontal beam: roofs with angle $15^\circ < \alpha < 45^\circ$

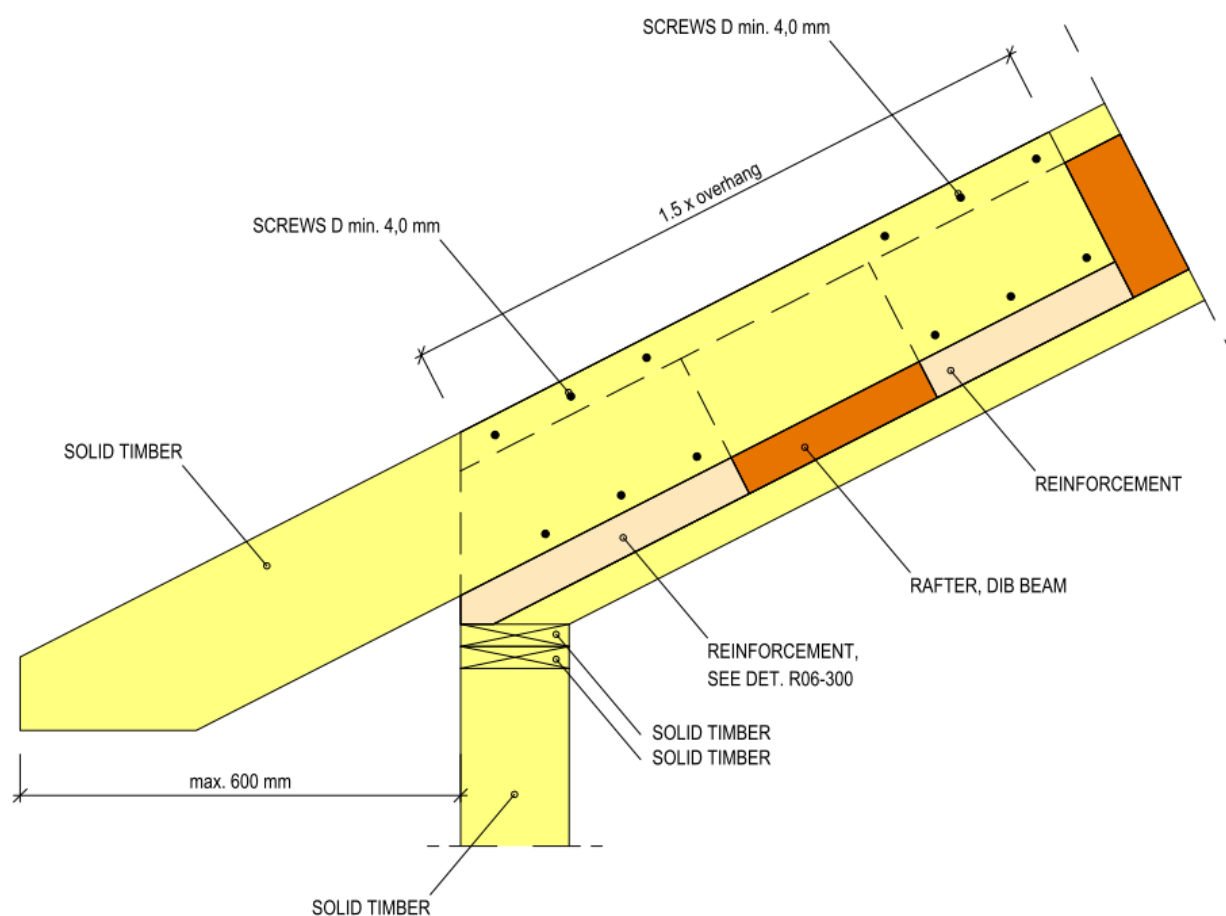
STEP 1



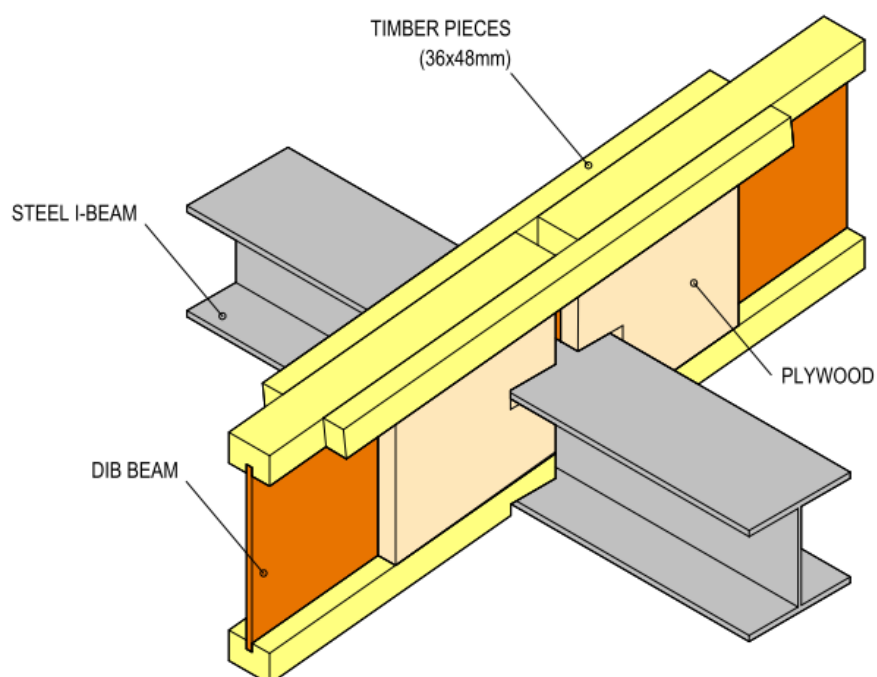
STEP 2



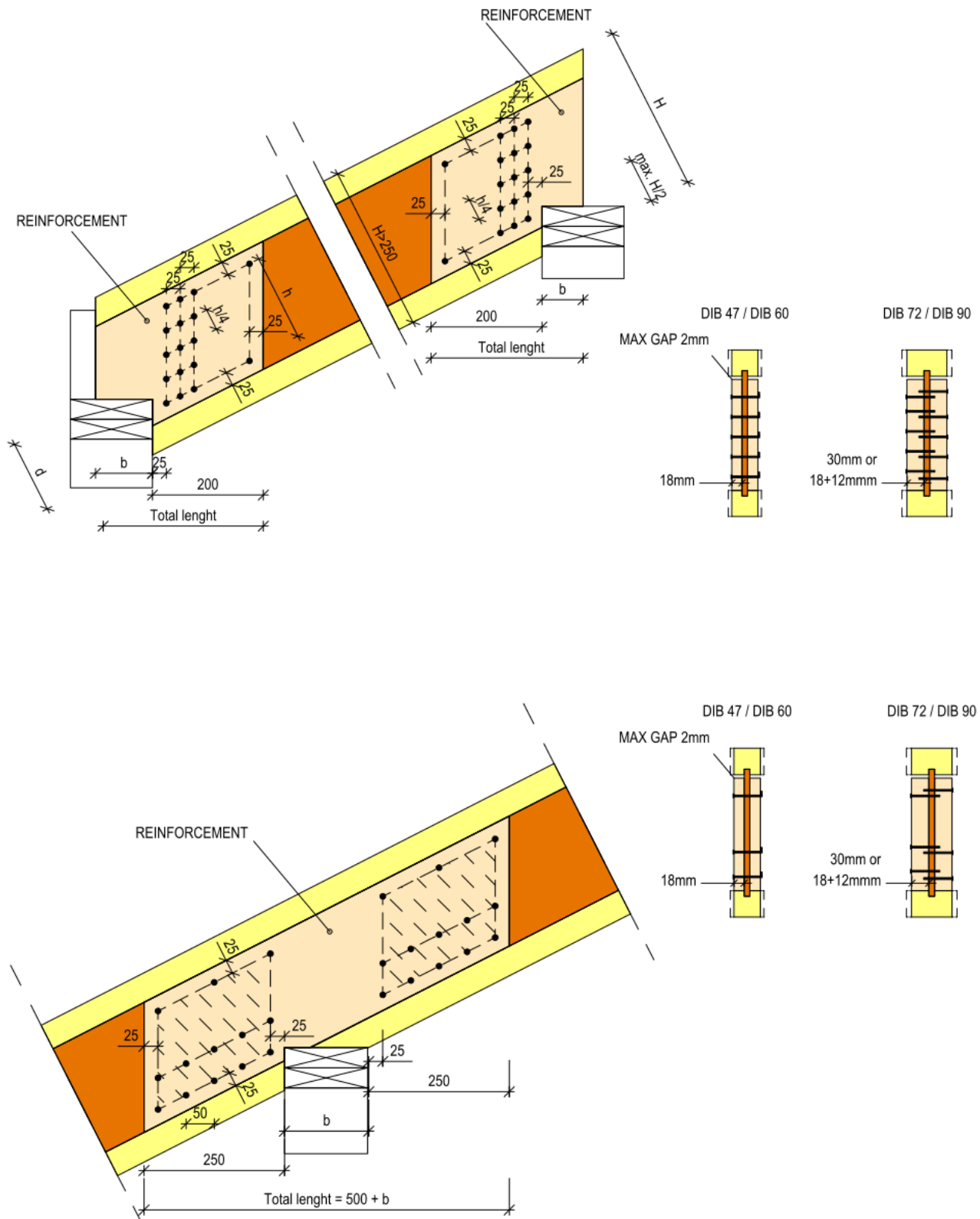
R09-200 - Roof with overhang



R10-100 - Connection of DUDEK I-Beams with steel I-Beams for roofs with angle of 6°, 8°, 10°.



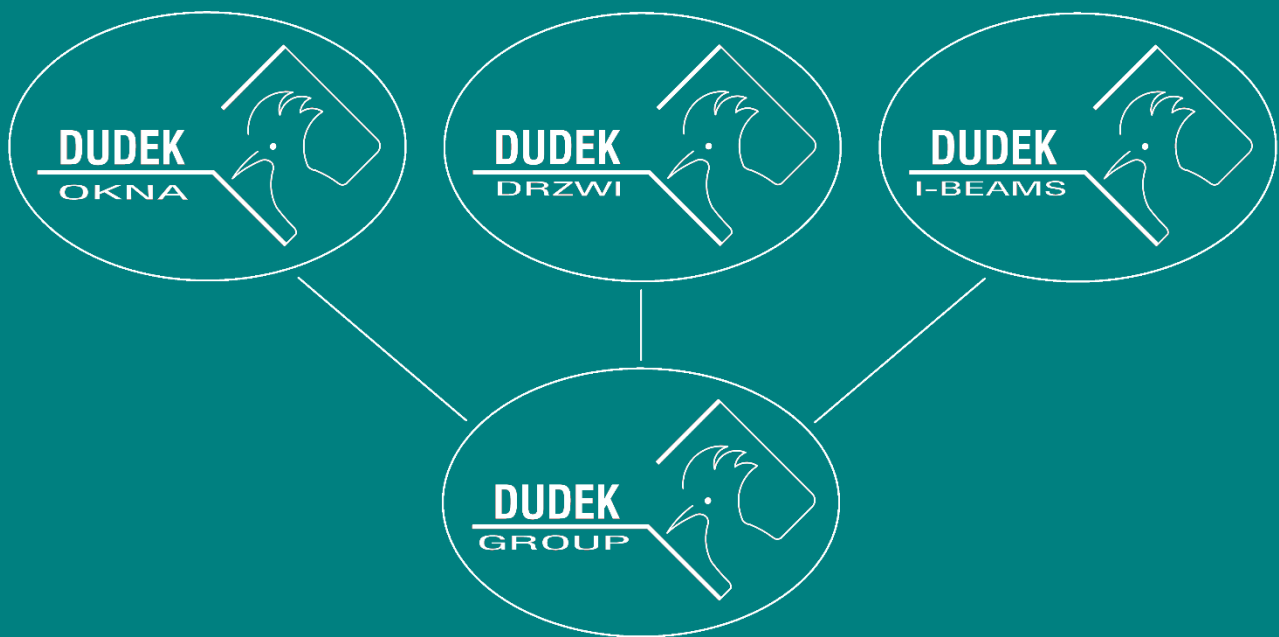
RP06-500 - Reinforcements at "lowered beam" – roofs with angle $15^\circ < \alpha < 45^\circ$

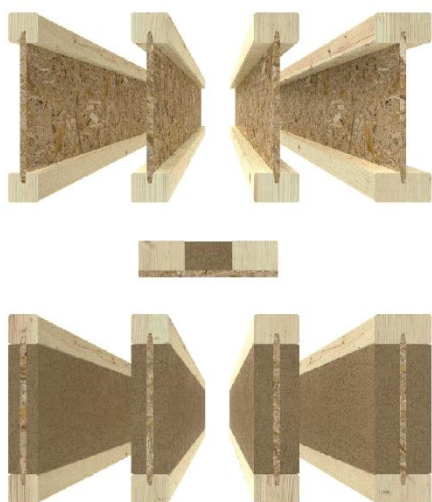


ABOUT DUDEK GROUP



We are a complex of carpentry plants, which includes the production of wooden doors and windows, as well as wooden I-Beams, used in the timber frame construction of wooden houses. The direction of our development is determined by the constant pursuit of quality and production in harmony with nature. Thanks to the skills of our employees and the technologies we use, we win the recognition of Polish and foreign customers. The numerous awards and diplomas received by us are the best proof of this.





I-BEAMS

WOODEN GIRDERS



WINDOWS

EXTERIOR DOORS



INTERIOR DOORS



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