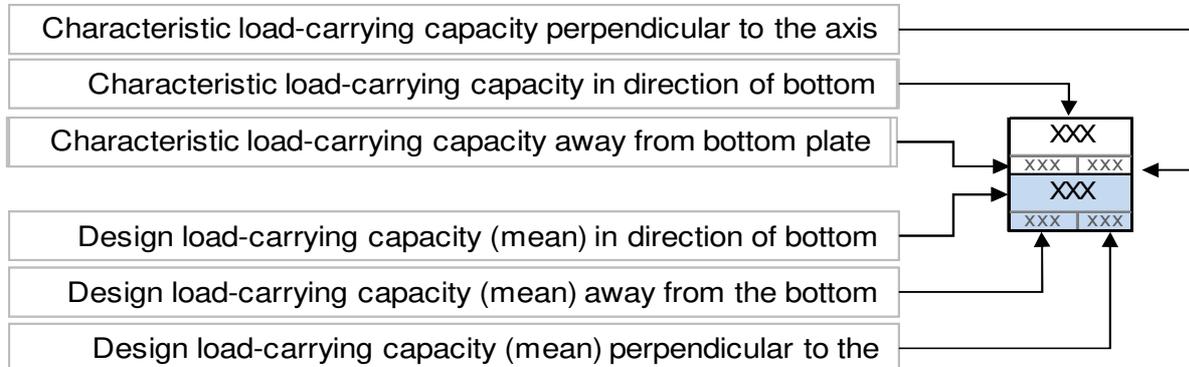


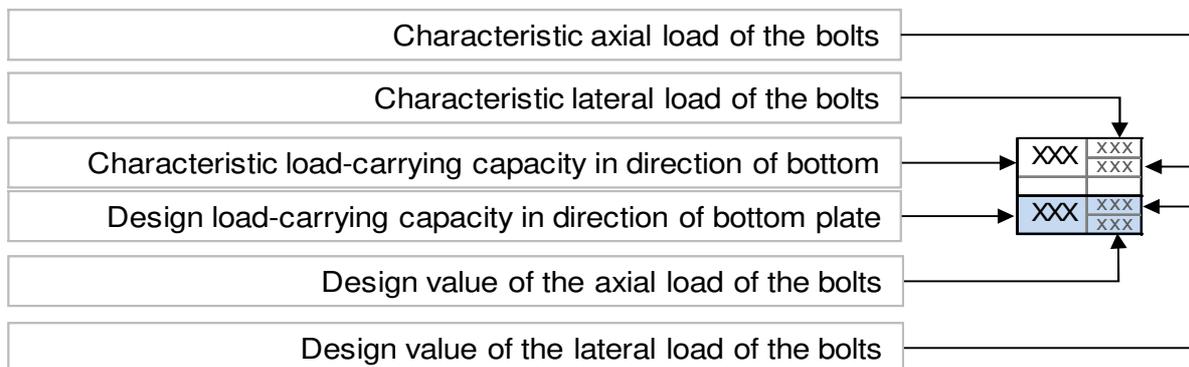


GH - Joist hanger Type Top

Key for design tables - timber-to-timber joint



Key for design tables - timber-to-masonry, concrete, steel joint



The resistances shown result for the fixing with a pair of dowels, bolts or concrete anchors.

If fixing with more than one pair - see detailed design example in the basic principles.

Footnotes for design tables

- 1/ Arrange GH connector nails Ø 4.0x40 in secondary member offset only with partial nailing (up to BS width ≤ 54 mm)
- 2/ Arrange GH connector nail Ø 4.0x60 in secondary member offset only with partial nailing (up to BS width ≤ 74 mm)
- 3/ Arrange the GH timber connector screw Ø5.0x40 in the secondary member offset only with partial screwing (up to BS width ≤ 58 mm)
- 4/ Arrange GH timber connector screw Ø5.0x60 in the secondary member offset only with partial screwing (up to BS width ≤ 78 mm)
- 5/ Arrange GH timber connector screw Ø 4.0x60 in secondary member offset only with partial nailing (up to BS width ≤ 44 mm)



Characteristic load-carrying capacities (resistances) and design values of the load-carrying capacity (resistance) ("medium-term") with full and partial nailing for joist hangers Type Top

Footnotes			Full nailing							Partial nailing																				
			Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel		Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel															
Dimensions	n _{HT}	n _{NT}	4x40	4x60	5x40	5x60	5x25	4x40	4x60	4x40	4x60	5x40	5x60	5x25	4x40	4x60														
W x H x D	Ø5	Ø5	F _{z,down}							F _{z,down}																				
mm	mm	mm	kN							kN																				
38x111x1.5	14 (8)	4 (4)	5/	---	---	---	---	1,4	---	---	---	---	---	---	1,4	---	---	---												
				---	---	---	---	0,9	---	---	---	---	---	---	0,9	---	---	---												
				---	---	---	---	0,9	---	---	---	---	---	---	---	0,9	---	---	---											
				---	---	---	---	0,6	---	---	---	---	---	---	---	0,6	---	---	---											
40x110x1.5	14 (8)	4 (4)	1/3/	11,3	---	8,2	---	1,4	9,9	5,0	---	---	8,8	---	8,2	---	1,4	9,9	5,0	---	---									
				5,5	1,9	---	---	5,5	1,6	---	---	---	---	---	---	3,4	1,9	---	---	5,5	1,6	---	---	---	---	---	---	---	---	
				7,0	---	---	---	5,0	---	---	0,9	7,0	3,5	---	---	5,4	---	---	---	0,9	7,0	3,5	---	---	---	---	---	---	---	---
			5/	3,4	1,2	---	---	3,4	1,0	---	---	---	---	---	---	2,1	1,2	---	---	3,4	1,0	---	---	---	---	---	---	---	---	
				13,2	---	---	---	9,5	---	---	2,2	9,9	5,0	---	---	12,9	---	---	---	2,2	9,9	5,0	---	---	---	---	---	---	---	---
				9,2	2,2	---	---	6,8	1,8	---	---	---	---	---	---	5,4	2,2	---	---	6,8	1,8	---	---	---	---	---	---	---	---	
40x140x1.5	18 (10)	5 (5)	1/3/	8,1	---	---	---	1,4	7,9	4,0	---	---	8,0	---	---	---	1,4	7,9	4,0	---	---	---	---	---	---	---	---	---		
				5,7	1,4	---	---	4,2	1,1	---	---	---	---	---	---	3,3	1,4	---	---	4,2	1,1	---	---	---	---	---	---	---	---	
				15,1	---	---	---	10,9	---	---	3,2	9,9	5,0	---	---	15,1	---	---	---	3,2	9,9	5,0	---	---	---	---	---	---	---	---
			5/	11,3	2,4	---	---	8,2	1,9	---	---	---	---	---	---	7,7	2,4	---	---	8,2	1,9	---	---	---	---	---	---	---	---	
				9,3	---	---	---	6,7	---	---	1,9	7,9	4,0	---	---	9,3	---	---	---	1,9	7,9	4,0	---	---	---	---	---	---	---	---
				7,0	1,5	---	---	5,0	1,2	---	---	---	---	---	---	4,8	1,5	---	---	5,0	1,2	---	---	---	---	---	---	---	---	
44x108x1.5	14 (8)	8 (4)	1/3/	11,3	---	---	---	2,9	9,9	5,0	---	---	8,6	---	---	---	1,4	9,9	5,0	---	---	---	---	---	---	---	---	---		
				5,6	2,1	---	---	5,5	1,8	---	---	---	---	---	---	3,4	2,1	---	---	5,5	1,8	---	---	---	---	---	---	---	---	
				7,0	---	---	---	5,0	---	---	1,8	7,0	3,5	---	---	5,3	---	---	---	0,9	7,0	3,5	---	---	---	---	---	---	---	
			5/	3,5	1,3	---	---	3,4	1,1	---	---	---	---	---	---	2,1	1,3	---	---	3,4	1,1	---	---	---	---	---	---	---	---	
				13,2	---	---	---	9,5	---	---	4,4	9,9	5,0	---	---	12,8	---	---	---	2,2	9,9	5,0	---	---	---	---	---	---	---	
				9,3	2,4	---	---	6,8	2,0	---	---	---	---	---	---	5,4	2,4	---	---	6,8	2,0	---	---	---	---	---	---	---	---	
44x138x1.5	18 (10)	10 (5)	1/3/	8,1	---	---	---	2,7	7,9	4,0	---	---	7,8	---	---	---	1,4	7,9	4,0	---	---	---	---	---	---	---	---	---		
				5,7	1,5	---	---	4,2	1,2	---	---	---	---	---	---	3,4	1,5	---	---	4,2	1,2	---	---	---	---	---	---	---	---	
				13,2	---	---	---	9,5	---	---	4,4	9,9	5,0	---	---	12,6	---	---	---	2,2	9,9	5,0	---	---	---	---	---	---	---	
			5/	9,4	2,5	---	---	6,8	2,1	---	---	---	---	---	---	5,5	2,5	---	---	6,8	2,1	---	---	---	---	---	---	---	---	
				8,1	---	---	---	5,9	---	---	2,7	7,9	4,0	---	---	7,7	---	---	---	1,4	7,9	4,0	---	---	---	---	---	---	---	
				5,8	1,6	---	---	4,2	1,3	---	---	---	---	---	---	3,4	1,6	---	---	4,2	1,3	---	---	---	---	---	---	---	---	
48x136x1.5	18 (10)	10 (5)	1/3/	15,1	---	---	---	6,3	9,9	5,0	---	---	15,1	---	---	---	3,2	9,9	5,0	---	---	---	---	---	---	---	---	---		
				11,3	2,8	---	---	8,2	2,3	---	---	---	---	---	---	7,9	2,8	---	---	8,2	2,3	---	---	---	---	---	---	---	---	
				9,3	---	---	---	6,7	---	---	3,9	7,9	4,0	---	---	9,3	---	---	---	1,9	7,9	4,0	---	---	---	---	---	---	---	
			5/	7,0	1,7	---	---	5,0	1,4	---	---	---	---	---	---	4,9	1,7	---	---	5,0	1,4	---	---	---	---	---	---	---	---	
				11,3	---	---	---	8,2	---	---	2,9	9,9	5,0	---	---	8,3	---	---	---	1,4	9,9	5,0	---	---	---	---	---	---	---	
				5,8	2,3	---	---	5,5	2,0	---	---	---	---	---	---	3,6	2,3	---	---	5,5	2,0	---	---	---	---	---	---	---	---	
50x105x1.5	14 (8)	8 (4)	1/3/	7,0	---	---	---	1,8	7,0	3,5	---	---	5,1	---	---	---	0,9	7,0	3,5	---	---	---	---	---	---	---	---	---		
				3,6	1,4	---	---	3,4	1,2	---	---	---	---	---	---	2,2	1,4	---	---	3,4	1,2	---	---	---	---	---	---	---	---	
				13,2	---	---	---	9,5	---	---	4,4	9,9	5,0	---	---	12,5	---	---	---	2,2	9,9	5,0	---	---	---	---	---	---	---	
			5/	9,5	2,6	---	---	6,8	2,2	---	---	---	---	---	---	5,6	2,6	---	---	6,8	2,2	---	---	---	---	---	---	---	---	
				8,1	---	---	---	5,9	---	---	2,7	7,9	4,0	---	---	7,7	---	---	---	1,4	7,9	4,0	---	---	---	---	---	---	---	
				5,8	1,6	---	---	4,2	1,4	---	---	---	---	---	---	3,4	1,6	---	---	4,2	1,4	---	---	---	---	---	---	---	---	



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Characteristic load-carrying capacities (resistances) and design values of the load-carrying capacity (resistance) ("medium-term") with full and partial nailing for joist hangers Type Top

Footnotes			Full nailing								Partial nailing																			
			Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel			Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel														
Dimensions	n _{HT}	n _{NT}	4x40	4x60	5x40	5x60	5x25	4x40	4x60	4x40	4x60	5x40	5x60	5x25	4x40	4x60														
W x H x D	Ø5	Ø5	F _{z,down}								F _{z,down}																			
mm	mm	mm	kN								kN																			
50x165x1.5	22 (12)	12 (6)	1/3/	15,1	---	10,9	---	6,3	9,9	5,0	---	---	15,1	---	10,9	---	3,2	9,9	5,0	---	---									
				11,3	2,9	---	---	8,2	2,4	---	---	---	2,8	---	---	---	---	---	1,4	---	---	---								
				9,3	---	6,7	---	3,9	7,9	4,0	---	---	---	9,3	---	6,7	---	1,9	7,9	4,0	---	---								
				7,0	1,8	---	---	5,0	1,5	---	---	---	1,7	---	---	---	---	0,9	---	---	---	---								
50x195x1.5	26 (14)	14 (7)	1/3/	17,0	---	12,3	---	8,3	9,9	5,0	---	---	17,0	---	12,3	---	4,1	9,9	5,0	---	---									
				13,2	3,1	---	---	9,5	2,5	---	---	---	3,0	---	---	---	---	---	1,5	---	---	---								
				10,5	---	7,6	---	5,1	7,9	4,0	---	---	---	10,5	---	7,6	---	2,5	7,9	4,0	---	---								
				8,1	1,9	---	---	5,9	1,6	---	---	---	1,8	---	---	---	---	0,9	---	---	---	---								
60x100x1.5	14 (8)	8 (4)	2/4/	13,2	14,2	13,6	10,9	2,9	9,9	5,0	---	---	9,9	5,0	---	---	7,7	11,8	8,2	10,9	1,4	9,9	5,0	---	---					
				6,1	5,0	9,5	3,5	10,9	4,7	7,3	3,2	---	2,7	---	---	---	---	---	3,8	2,5	6,1	3,5	5,5	2,4	7,3	3,2	---	1,4	---	---
				8,2	8,7	8,4	6,7	1,8	7,9	4,0	---	---	---	7,9	4,0	---	---	---	4,8	7,2	5,0	6,7	0,9	7,0	3,5	---	---	---	---	
				3,8	3,1	5,8	2,2	6,7	2,9	4,5	2,0	---	1,7	---	---	---	---	---	2,3	1,5	3,8	2,2	3,4	1,5	4,5	2,0	---	0,8	---	---
60x130x1.5	18 (10)	10 (5)	2/4/	21,2	16,5	16,4	12,7	4,4	9,9	5,0	---	---	9,9	5,0	---	---	11,9	16,5	9,5	12,7	2,2	9,9	5,0	---	---	---	---			
				9,9	5,8	11,8	4,0	13,6	5,3	9,1	3,6	---	3,1	---	---	---	---	---	5,8	2,9	9,3	4,0	6,8	2,6	9,1	3,6	---	1,5	---	---
				13,0	10,2	10,1	7,8	2,7	7,9	4,0	---	---	---	7,9	4,0	---	---	---	7,3	10,2	5,9	7,8	1,4	7,9	4,0	---	---	---	---	
				6,1	3,6	7,3	2,5	8,4	3,2	5,6	2,2	---	1,9	---	---	---	---	---	3,6	1,8	5,7	2,5	4,2	1,6	5,6	2,2	---	0,9	---	---
60x160x1.5	22 (12)	12 (6)	2/4/	26,5	18,9	19,1	14,5	6,3	9,9	5,0	---	---	9,9	5,0	---	---	15,1	18,9	10,9	14,5	3,2	9,9	5,0	---	---	---	---			
				14,5	6,5	14,2	4,4	16,4	5,7	10,9	3,8	---	3,3	---	---	---	---	---	8,2	3,2	13,1	4,4	8,2	2,8	10,9	3,8	---	1,7	---	---
				16,3	11,6	11,7	9,0	3,9	7,9	4,0	---	---	---	7,9	4,0	---	---	---	9,3	11,6	6,7	9,0	1,9	7,9	4,0	---	---	---	---	
				8,9	4,0	8,7	2,7	10,1	3,5	6,7	2,4	---	2,1	---	---	---	---	---	5,1	2,0	8,0	2,7	5,0	1,7	6,7	2,4	---	1,0	---	---
60x190x1.5	26 (14)	14 (7)	2/4/	30,2	21,3	21,8	16,4	8,3	9,9	5,0	---	---	9,9	5,0	---	---	17,0	21,3	12,3	16,4	4,1	9,9	5,0	---	---	---	---			
				19,7	7,1	16,5	4,8	19,1	6,0	12,7	4,0	---	3,5	---	---	---	---	---	11,0	3,5	16,5	4,8	9,5	3,0	12,7	4,0	---	1,8	---	---
				18,6	13,1	13,4	10,1	5,1	7,9	4,0	---	---	---	7,9	4,0	---	---	---	10,5	13,1	7,6	10,1	2,5	7,9	4,0	---	---	---	---	
				12,1	4,3	10,2	2,9	11,7	3,7	7,8	2,5	---	2,2	---	---	---	---	---	6,8	2,2	10,2	2,9	5,9	1,8	7,8	2,5	---	1,1	---	---
64x98x1.5	14 (8)	8 (4)	2/4/	12,8	14,2	13,6	10,9	2,9	9,9	5,0	---	---	9,9	5,0	---	---	7,5	11,5	8,2	10,9	1,4	9,9	5,0	---	---	---	---			
				6,3	5,2	9,5	3,7	10,9	5,0	7,3	3,4	---	2,9	---	---	---	---	---	3,8	2,6	6,3	3,7	5,5	2,5	7,3	3,4	---	1,4	---	---
				7,9	8,7	8,4	6,7	1,8	7,9	4,0	---	---	---	7,9	4,0	---	---	---	4,6	7,1	5,0	6,7	0,9	7,0	3,5	---	---	---	---	
				3,9	3,2	5,8	2,3	6,7	3,1	4,5	2,1	---	1,8	---	---	---	---	---	2,4	1,6	3,9	2,3	3,4	1,5	4,5	2,1	---	0,9	---	---
64x128x1.5	18 (10)	10 (5)	2/4/	20,8	16,5	16,4	12,7	4,4	9,9	5,0	---	---	9,9	5,0	---	---	11,7	16,5	9,5	12,7	2,2	9,9	5,0	---	---	---	---			
				10,1	6,0	11,8	4,2	13,6	5,6	9,1	3,8	---	3,2	---	---	---	---	---	5,9	3,0	9,5	4,2	6,8	2,8	9,1	3,8	---	1,6	---	---
				12,8	10,2	10,1	7,8	2,7	7,9	4,0	---	---	---	7,9	4,0	---	---	---	7,2	10,2	5,9	7,8	1,4	7,9	4,0	---	---	---	---	
				6,2	3,7	7,3	2,6	8,4	3,4	5,6	2,3	---	2,0	---	---	---	---	---	3,6	1,9	5,8	2,6	4,2	1,7	5,6	2,3	---	1,0	---	---
70x125x1.5	18 (10)	10 (5)	2/4/	20,2	16,5	16,4	12,7	4,4	9,9	5,0	---	---	9,9	5,0	---	---	11,4	16,5	9,5	12,7	2,2	9,9	5,0	---	---	---	---			
				10,3	6,3	11,8	4,5	13,6	6,1	9,1	4,1	---	3,5	---	---	---	---	---	6,0	3,2	9,7	4,5	6,8	3,0	9,1	4,1	---	1,7	---	---
				12,4	10,2	10,1	7,8	2,7	7,9	4,0	---	---	---	7,9	4,0	---	---	---	7,0	10,2	5,9	7,8	1,4	7,9	4,0	---	---	---	---	
				6,3	3,9	7,3	2,7	8,4	3,7	5,6	2,5	---	2,1	---	---	---	---	---	3,7	1,9	6,0	2,7	4,2	1,9	5,6	2,5	---	1,1	---	---
70x155x1.5	22 (12)	12 (6)	2/4/	26,5	18,9	19,1	14,5	6,3	9,9	5,0	---	---	9,9	5,0	---	---	15,1	18,9	10,9	14,5	3,2	9,9	5,0	---	---	---	---			
				14,9	7,1	14,2	5,0	16,4	6,6	10,9	4,4	---	3,8	---	---	---	---	---	8,5	3,6	13,5	5,0	8,2	3,3	10,9	4,4	---	1,9	---	---
				16,3	11,6	11,7	9,0	3,9	7,9	4,0	---	---	---	7,9	4,0	---	---	---	9,3	11,6	6,7	9,0	1,9	7,9	4,0	---	---	---	---	
				9,2	4,4	8,7	3,0	10,1	4,0	6,7	2,7	---	2,3	---	---	---	---	---	5,2	2,2	8,3	3,0	5,0	2,0	6,7	2,7	---	1,2	---	---



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Characteristic load-carrying capacities (resistances) and design values of the load-carrying capacity (resistance) ("medium-term") with full and partial nailing for joist hangers Type Top

Footnotes			Full nailing								Partial nailing																
			Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel			Timber-to-timber				Timber-to-OSB	Timber-to-concrete/steel											
Dimensions	n _{HT}	n _{NT}	4x40	4x60	5x40	5x60	5x25	4x40	4x60	4x40	4x60	5x40	5x60	5x25	4x40	4x60											
W x H x D	Ø5	Ø5	F _{z,down}								F _{z,down}																
mm	mm	mm	kN																								
72x124x1.5	18 (10)	10 (5)	2/4	19,9	16,5	16,4	12,7	4,4	9,9	5,0	9,9	5,0	11,3	16,5	9,5	12,7	2,2	9,9	5,0	9,9	5,0						
				10,4	6,4	11,8	4,5	13,6	6,2	9,1	4,2	---	3,6	---	---	6,1	3,2	9,8	4,5	6,8	3,1	9,1	4,2	---	1,8	---	---
				12,3	10,2	10,1	7,8	2,7	7,9	4,0	7,9	4,0	6,9	10,2	5,9	7,8	1,4	7,9	4,0	7,9	4,0						
				6,4	3,9	7,3	2,8	8,4	3,8	5,6	2,6	---	2,2	---	---	3,7	2,0	6,0	2,8	4,2	1,9	5,6	2,6	---	1,1	---	---
72x154x1.5	22 (12)	12 (6)	2/4	26,5	18,9	19,1	14,5	6,3	9,9	5,0	9,9	5,0	15,1	18,9	10,9	14,5	3,2	9,9	5,0	9,9	5,0						
				15,0	7,2	14,2	5,1	16,4	6,7	10,9	4,5	---	3,9	---	---	8,5	3,6	13,5	5,1	8,2	3,4	10,9	4,5	---	1,9	---	---
				16,3	11,6	11,7	9,0	3,9	7,9	4,0	7,9	4,0	9,3	11,6	6,7	9,0	1,9	7,9	4,0	7,9	4,0						
				9,2	4,5	8,7	3,1	10,1	4,1	6,7	2,8	---	2,4	---	---	5,2	2,2	8,3	3,1	5,0	2,1	6,7	2,8	---	1,2	---	---
72x184x1.5	26 (14)	14 (7)	2/4	30,2	21,3	21,8	16,4	8,3	9,9	5,0	9,9	5,0	17,0	21,3	12,3	16,4	4,1	9,9	5,0	9,9	5,0						
				20,3	7,9	16,5	5,5	19,1	7,1	12,7	4,8	---	4,2	---	---	11,3	4,0	16,5	5,5	9,5	3,6	12,7	4,8	---	2,1	---	---
				18,6	13,1	13,4	10,1	5,1	7,9	4,0	7,9	4,0	10,5	13,1	7,6	10,1	2,5	7,9	4,0	7,9	4,0						
				12,5	4,9	10,2	3,4	11,7	4,4	7,8	2,9	---	2,6	---	---	7,0	2,4	10,2	3,4	5,9	2,2	7,8	2,9	---	1,3	---	---
76x122x1.5	18 (10)	10 (5)	4/	19,5	28,4	16,4	12,7	4,4	9,9	5,0	9,9	5,0	11,0	16,4	9,5	12,7	2,2	9,9	5,0	9,9	5,0						
				10,6	6,6	17,0	9,4	13,6	6,5	9,1	4,4	---	3,7	---	---	6,2	3,3	9,9	4,7	6,8	3,3	9,1	4,4	---	1,9	---	---
				12,0	17,5	10,1	7,8	2,7	7,9	4,0	7,9	4,0	6,8	10,1	5,9	7,8	1,4	7,9	4,0	7,9	4,0						
				6,5	4,0	10,5	5,8	8,4	4,0	5,6	2,7	---	2,3	---	---	3,8	2,0	6,1	2,9	4,2	2,0	5,6	2,7	---	1,1	---	---
76x152x1.5	22 (12)	12 (6)	4/	26,5	33,1	19,1	14,5	6,3	9,9	5,0	9,9	5,0	15,1	18,9	10,9	14,5	3,2	9,9	5,0	9,9	5,0						
				15,2	7,5	24,2	10,5	16,4	7,1	10,9	4,8	---	4,1	---	---	8,7	3,7	13,7	5,2	8,2	3,5	10,9	4,8	---	2,0	---	---
				16,3	20,4	11,7	9,0	3,9	7,9	4,0	7,9	4,0	9,3	11,6	6,7	9,0	1,9	7,9	4,0	7,9	4,0						
				9,4	4,6	14,9	6,4	10,1	4,3	6,7	2,9	---	2,5	---	---	5,3	2,3	8,4	3,2	5,0	2,2	6,7	2,9	---	1,3	---	---
76x182x1.5	26 (14)	14 (7)	4/	30,2	37,8	21,8	16,4	8,3	9,9	5,0	9,9	5,0	17,0	21,3	12,3	16,4	4,1	9,9	5,0	9,9	5,0						
				20,5	8,2	32,1	11,4	19,1	7,5	12,7	5,0	---	4,4	---	---	11,4	4,1	16,5	5,7	9,5	3,7	12,7	5,0	---	2,2	---	---
				18,6	23,3	13,4	10,1	5,1	7,9	4,0	7,9	4,0	10,5	13,1	7,6	10,1	2,5	7,9	4,0	7,9	4,0						
				12,6	5,0	19,8	7,0	11,7	4,6	7,8	3,1	---	2,7	---	---	7,0	2,5	10,2	3,5	5,9	2,3	7,8	3,1	---	1,3	---	---
80x120x1.5	18 (10)	10 (5)	4/	19,0	28,4	16,4	21,8	4,4	9,9	5,0	9,9	5,0	10,8	16,1	9,5	12,7	2,2	9,9	5,0	9,9	5,0						
				10,8	6,7	17,3	9,7	13,6	6,8	18,2	9,3	---	3,9	---	---	6,3	3,4	10,1	4,8	6,8	3,4	9,1	4,6	---	1,9	---	---
				11,7	17,5	10,1	13,4	2,7	7,9	4,0	7,9	4,0	6,6	9,9	5,9	7,8	1,4	7,9	4,0	7,9	4,0						
				6,6	4,1	10,6	6,0	8,4	4,2	11,2	5,7	---	2,4	---	---	3,9	2,1	6,2	3,0	4,2	2,1	5,6	2,9	---	1,2	---	---
80x150x1.5	22 (12)	12 (6)	4/	26,5	33,1	19,1	25,5	6,3	9,9	5,0	9,9	5,0	15,1	18,9	10,9	14,5	3,2	9,9	5,0	9,9	5,0						
				15,4	7,7	24,4	10,8	16,4	7,4	21,8	10,0	---	4,2	---	---	8,7	3,8	13,8	5,4	8,2	3,7	10,9	5,0	---	2,1	---	---
				16,3	20,4	11,7	15,7	3,9	7,9	4,0	7,9	4,0	9,3	11,6	6,7	9,0	1,9	7,9	4,0	7,9	4,0						
				9,5	4,7	15,0	6,7	10,1	4,6	13,4	6,2	---	2,6	---	---	5,4	2,4	8,5	3,3	5,0	2,3	6,7	3,1	---	1,3	---	---
80x180x1.5	26 (14)	14 (7)	4/	30,2	37,8	21,8	29,1	8,3	9,9	5,0	9,9	5,0	17,0	21,3	12,3	16,4	4,1	9,9	5,0	9,9	5,0						
				20,7	8,4	32,4	11,8	19,1	7,8	25,5	10,6	---	4,5	---	---	11,5	4,2	16,5	5,9	9,5	3,9	12,7	5,3	---	2,3	---	---
				18,6	23,3	13,4	17,9	5,1	7,9	4,0	7,9	4,0	10,5	13,1	7,6	10,1	2,5	7,9	4,0	7,9	4,0						
				12,8	5,2	19,9	7,3	11,7	4,8	15,7	6,5	---	2,8	---	---	7,1	2,6	10,2	3,6	5,9	2,4	7,8	3,3	---	1,4	---	---
90x145x1.5	22 (12)	12 (6)	4/	26,5	33,1	19,1	25,5	6,3	9,9	5,0	9,9	5,0	14,7	18,9	10,9	14,5	3,2	9,9	5,0	9,9	5,0						
				16,0	8,1	25,2	11,6	16,4	8,2	21,8	11,1	---	4,7	---	---	9,1	4,0	14,2	5,8	8,2	4,1	10,9	5,6	---	2,3	---	---
				16,3	20,4	11,7	15,7	3,9	7,9	4,0	7,9	4,0	9,0	11,6	6,7	9,0	1,9	7,9	4,0	7,9	4,0						
				9,8	5,0	15,5	7,2	10,1	5,0	13,4	6,9	---	2,9	---	---	5,6	2,5	8,7	3,6	5,0	2,5	6,7	3,4	---	1,4	---	---



