



Rolling scaffold single/double width Safe-Quick® Guardrail RS TOWER 51/52/54



1. EN English



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1. Introduction

This manual applies exclusively to folding and rolling tower configurations (hereinafter: 'the scaffold') as described in this assembly & user manual (hereinafter: 'the manual'). Prior to starting to assemble the tower, you should carefully read this manual. The required tower should be assembled and used in accordance with this manual. All instructions in this manual have to be followed strictly. Not following the instructions contained in this manual can easily result in serious accidents. Altrex cannot be held liable for any loss resulting from the assembly or use of an Altrex tower that is not in compliance with the manual. The employer, supervisor and user are responsible for the correct use of the tower in accordance with this manual and they must ensure that this manual is available at all times when work is being carried out using the tower. Additional copies of the manual can be ordered from Altrex.

Local legislation and regulations might encompass measures in addition to those stated in this manual.

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2. Type of rolling tower

	RS TOWER 51	RS TOWER 52	RS TOWER 54
Norm	EN1004	EN1004	EN1004
Category	3	3	3
Access category	XXXD	AXXD	XXXD
Maximum platform height outdoors	8 m	8 m	6,8 m
Maximum platform height indoors	8 m	12 m	10,8 m
Maximum platform load	200 m2	200 m2	200 m2
Maximum load on rolling tower	750 kg	750 kg	750 kg
Maximum wind load	12,7 m/s (max. 6 Beaufort)	12,7 m/s (max. 6 Beaufort)	12,7 m/s (max. 6 Beaufort)
Minimum number of assembly persons	2	2	2

3. Safety instructions

1. The location of the rolling tower must be checked to prevent accidents during assembly, dismantling and moving with respect to:
 - A. A horizontal, flat and solid base
 - B. The location must be free of obstacles
 - C. Maximum allowed wind speeds
2. Check if all required parts, tools and safety tools (ropes, etc) for assembling the rolling tower are available.
3. The scaffold must not be out of the plumb in excess of 1%. Therefore, at a height of 4 meters, the deviation may not exceed 4 cm.
4. The use of hoisting gear on or attached to the scaffold is not permitted; this can seriously affect the stability of the tower. Scaffold parts, tools and materials may only be brought up and down (to and from the work floor) manually using a rope, for example.
5. Check all parts for damage. Damaged or incorrect parts may not be used. Mixing scaffold parts of different brands/from different manufacturers is not permitted, because strength & stability calculation was not carried out for the mixed configuration concerned.
6. The standard configurations in this manual are not calculated on the use of tarpaulins and/or advertising boards.
7. Never leave the rolling tower unsupervised. If the rolling tower must be left unsupervised, you have to make sure that unauthorised individuals cannot access it.
8. Particular attention should be paid to using scaffolds when there is wind:
 - with a speed greater than 12.7 m/s (maximum 6 on the scale of Beaufort); take also into account squalls and gusts
 - in areas that are very sensitive to wind e.g., in open constructions and at the corners of a building
 In these cases, the scaffold must be disassembled or moved to a wind-free place.
9. Lateral loads exceeding 30 kg resulting from work activities on the scaffold are not permitted. In the event of significantly larger forces, the scaffold should be anchored to the façade at 2 points every 4 metres.
10. Never access the tower on the outside and never stand on the braces.
11. Triangle stabilisers and ballast must always be attached according to the configuration & ballast table.
12. Hoisting or suspending the tower is not permitted.
13. It is not permitted to increase the height of a platform e.g. with ladders, stepladders, boxes or any other object.

4. Parts

See Annex T1 for an overview of the parts and their mass.

5. Assembly instructions

See Annex T2 for an overview of the assembly instructions.

6. Check before use

1. Check that the rolling tower is perpendicular (check using a spirit level).
2. Check that the rolling tower is assembled in accordance with this manual and in conformity with the configuration and ballast table.
3. Check that the environmental factors, such as swinging doors, awnings that operate automatically, aboveground electrical cables, traffic and/or passers-by, etc., do not lead to dangerous situations.
4. Check that the rolling tower can be used safely and that it is suitable for the intended purpose.

7. Assembling the RS TOWER 51 and 52

Assemble the parts according to the steps shown in Annexes T3 and T4. Attach all connections as shown in Annex T2. See the table below for the references to the annexes that include the configuration table and the composition per type of rolling tower.

Configuration	Annex
RS TOWER 51	T6
RS TOWER 52	T7

A. Base section

Determine the working height you want to reach. See also annex T3 composition A (single width); annex T4 composition A (double width).

A1: Working height of an <u>EVEN</u> number of metres	A2: Working height of an <u>ODD</u> number of metres
1. Start with 4-rung frames (part B)	1. Start with 7-rung frames (part A)
2. Put the wheels into the frames, put the brakes on and put them in an outward direction [T2 fig. F1 - F3].	2. Put the wheels into the frames, put the brakes on and put them in an outward direction [T2 fig. F1 - F3].
3. Place horizontal braces (part G) under the first rung on the vertical [T2: fig. F4 - F5].	3. Place horizontal braces (part G) under the first rung on the vertical [T2: fig. F4 - F5].
4. Place the 7-rung frames (part A) and lock them [T2: fig. F6 - F8].	4. Place the Safe-Quick® Guardrail(s) (part F) on the top rung with the instruction label facing the inside [T2 fig F14 - F18].
5. Place the Safe-Quick® Guardrail(s) (part F) on the sixth rung with the instruction label facing the inside [T2 fig F14 - F18].	5. Place the platform (part D) on the third rung of the 7-rung frames [T2 fig. F19 - F22].
6. Adjust the base section using a spirit level.	6. Adjust the base section using a spirit level.
7. Assemble the triangle stabilisers (part I) [T2 fig. F9 - F13].	7. Assemble the triangle stabilisers (part I) [T2 fig F9 - F13].

B. Middle section

See also T3 composition B (single width); T4 composition B (double width).

B1: Working height of an <u>EVEN</u> number of metres	B2: Working height of an <u>ODD</u> number of metres
1. Place the diagonal braces (part H); (only for double width scaffold)	1. Access the platform (part D).
2. Place the Safe-Quick® Guardrails (part F) on the top rung with the instruction label facing the inside [T2 fig. F14 - F18].	2. Place the 7-rung frames (part A) and lock them [T2 fig. F6 - F8].
3. Place the platform (part D) on the third rung of the 7-rung frames (T2: fig. F19 - F22).	3. Place the diagonal braces (part H); (only for double width scaffold)
4. Access the platform by going through the trapdoor.	4. Place the Safe-Quick® Guardrails (part F) on the top rung with the instruction label facing the inside [T2: F14 - F18].
5. Repeat the steps mentioned in B until you reach the required platform / working height.	5. Place a platform with trapdoor (part D) [T2 fig. F19 - F22].
	6. Access the platform by going through the trapdoor.
	7. Repeat the steps mentioned in B until you reach the required platform / working height.

C. End section

Follow composition C when the working height has been reached.

1. Place the toeboard set (part J).

8. Assembling the RS TOWER 54

Mount the parts according to the configuration shown in Annex T8. Attach all connections as shown in Annex T2. See the table below for thereferences to the annex that includes the configuration table and the composition per type of rolling tower.

Configuration	Annex
RS TOWER 54	T8

A. Base section

1. Put the wheels into the folding frame (part K), put the brakes on and put them in an outward direction [T2: F1 - F3].
2. Unfold the folding frame.
3. Place the horizontal brace (part G) under the first rung on the vertical [T2: F4 – F5].
4. Adjust the base section using a spirit level.
5. Place the diagonal braces (part H); (only for double width scaffold)
6. Install the Safe-Quick Guardrails® (part F) with the instruction label facing the inside [T2: F14 - F18].
7. Place the temporary platform (part D) on the third rung [T2: F19 - F22].
8. After the frames mentioned in B. Middle Section are placed, mount the triangle stabilisers (part I) [T2: F9 - F13].

9. Ballast

Annex T5 for an overview of the total weight of the scaffold and the number of counterweights of 5 kg per wheeled support that should be used.

10. Moving the rolling tower

The rolling tower may only be moved while observing the following conditions:

1. Before moving the rolling tower, the height has to be reduced to a maximum of 6.2 metres.
2. When the rolling tower is moved, persons and/or materials may not remain on the mobile it.
3. Beforehand, checks should be made that the environmental factors, such as swinging doors, canopies, pits, automatically functioning awnings, aboveground electrical cables, traffic and/or passers-by, etc. do not lead to dangerous situations while the scaffold is moved.
4. In order to move the scaffold, the stabilisers can only be raised to a maximum of 3 cm.
5. Only move the scaffold manually in a lengthways direction, over a flat, horizontal and sufficiently load-bearing surface.
6. After moving the rolling tower has to be realigned horizontally using a spirit level.

11. Disassembly of the rolling tower

The scaffold should be disassembled following the instructions for assembly but in reverse order.





12. Inspection, Care and Maintenance

1. Scaffold parts must be handled and transported with care in order to avoid damage.
2. Storage should be organised in such a way that only undamaged parts, in the correct amounts, are available for assembly of the scaffold.
3. Check all moving parts for correct functioning and check that these are not filthy.
4. Check all parts for damage. Damaged, worn-out or incorrect parts may not be used. Replace these parts only with original Altrex parts. To prevent accidents, these parts must be mounted in the same way as the part that is replaced. Mounting (fastening) and/or repair are at your own expense and risk. Altrex shall not be liable for damage resulting from erroneous mounting and/or repair.
5. Scaffolds for professional use must be inspected periodically by an expert.

13. Warranty conditions

Please visit www.altrex.com/warranty to view the clauses of the Altrex warranty.









14. Abbreviations and logos

Abbreviations and logos	Meaning
	Working height Platform height
KG 	Kilogram
L	Length
B	Width
Optional	Optional use
Indoor use	Indoor use
Outdoor use	Outdoor use
Wood 	Wood
Fiber-Deck® 	Fiber-Deck® light-weight platforms


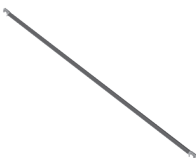





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T1.


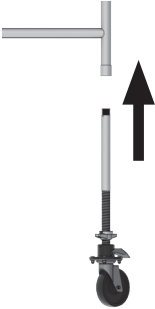

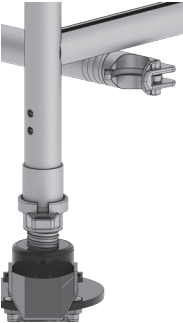
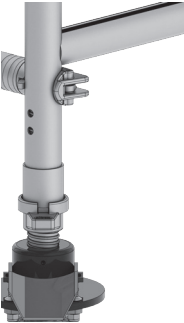
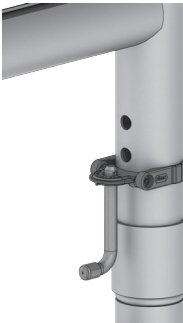


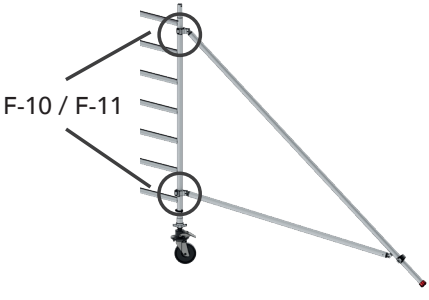






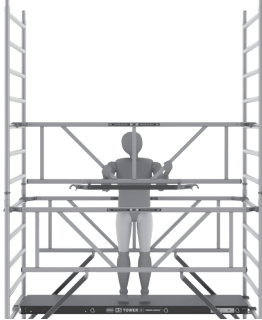
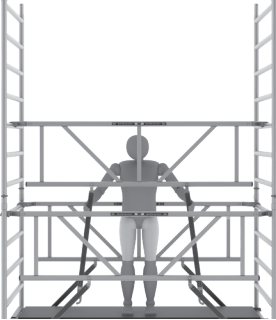
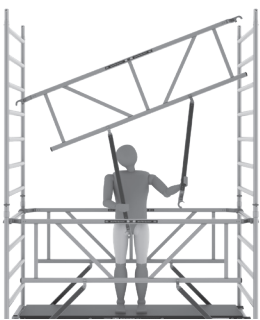
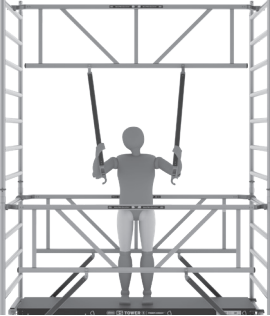
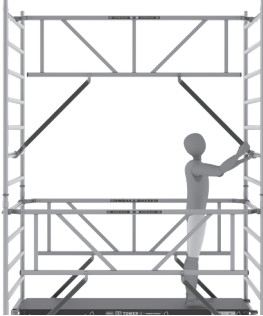


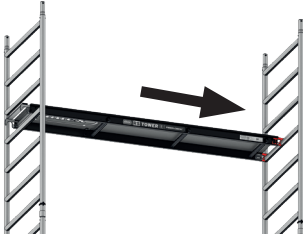
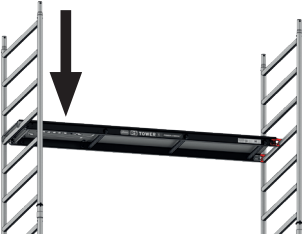
A		301157 - 59119	7,6	B= 0,75	Frame 7 rungs
		301657 - 51119	10,9	B= 1,35	
B		301114 - 51120	4,5	B= 0,75	Frame 4 rungs
		301654 - 52120	6,5	B= 1,35	
C		511231 - 50129	5,2	Ø 200	Wheel
		326015 - 5115F	2,5	Ø 150	
D		 Wood ↓			Platform with trapdoor
		305033 - 50129	14,8	L= 1,85	
		304710 - 50119	18,7	L= 2,45	
		Fiber-Deck® ↓ 			
		304712	13,7	L= 2,45	
E		302913 - 50120	3,10	B= 0,75	Guardrail frame
F		360269 - 53120	8,5	L= 2,45	Safe-Quick® Guardrail



G	304354 - 5115C	1,9	L= 1.85	Horizontal Brace
	304356 - 52119	2,3	L= 2.45	
				
H	304366 - 53119	2,2	L= 2.45	Diagonal Brace
				
I	305632 - 56119	7,6		Triangular stabilizer
				
J	305810	7,9	B x L= 0.75x1.85	Toeboard set
	305807 - 11908	9,7	B x L= 0.75x2.45	
	305808 - 11907	11,5	B x L= 1.35x2.45	
				
K	31015 - 5115B	B= 0,75		Folding unit 6 rungs
				
L	415271	5,0		Counterweight
				
M	415277	5,0		Counterweight holder
				

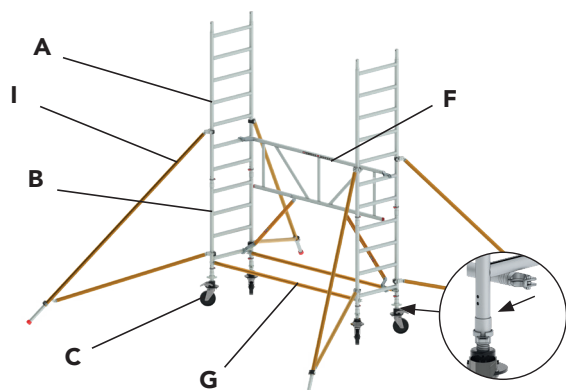
T2.

		
F-1	F-2	F-3
		
F-4	F-5	
		
F-6	F-7	F-8
		
F-9	F-10	F-11
		
F-12	F-13	

		
<p>F-14</p>	<p>F-15</p>	<p>F-16</p>
		
<p>F-17</p>	<p>F-18</p>	<p>F-19</p>
		
<p>F-20</p>	<p>F-21</p>	<p>F-22</p>

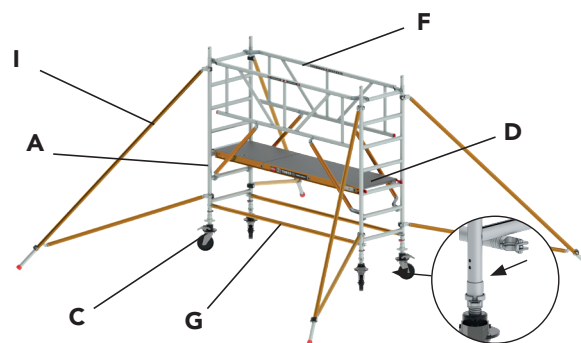
T3. Rolling scaffold single width RS TOWER 51 Safe-Quick® Guardrail

Working height (WH)
4,2 m / 6,2 m / 8,2 m / 10,2 m

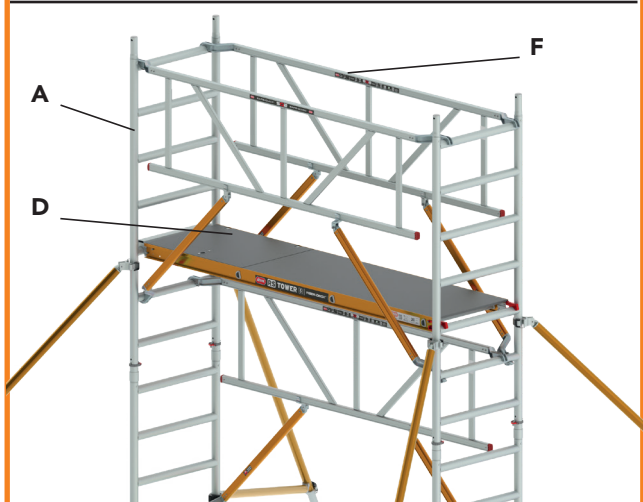


A1

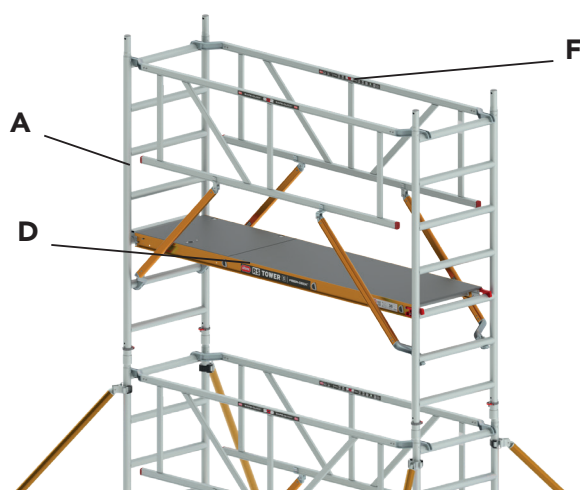
Working height (WH)
3,2 m / 5,2 m / 7,2 m / 9,2 m



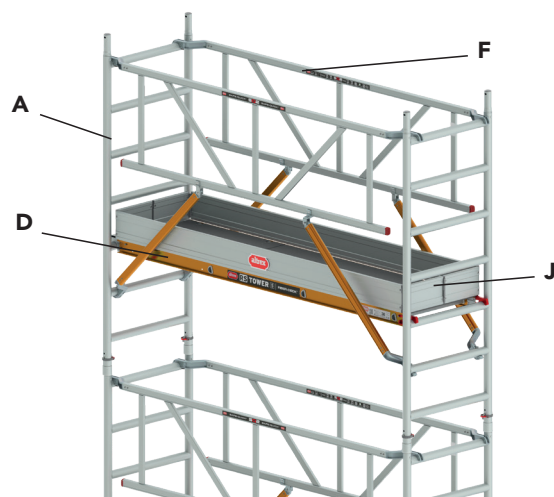
A2



B1



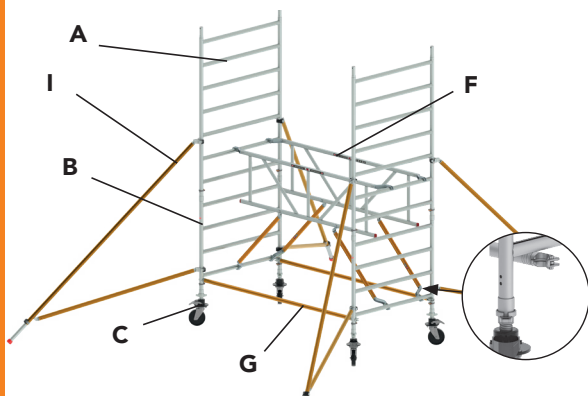
B2



C

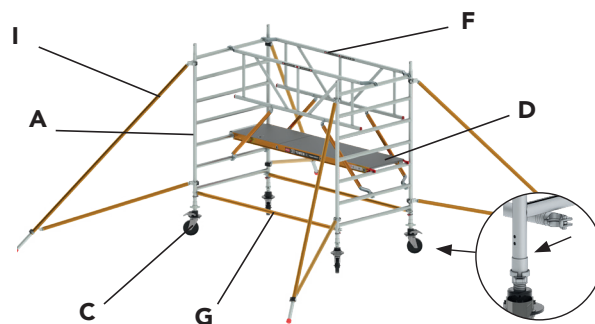
T4. Rolling scaffold double width RS TOWER 52 Safe-Quick® Guardrail

Working height (WH)
4,2 m / 6,2 m / 8,2 m / 10,2 m

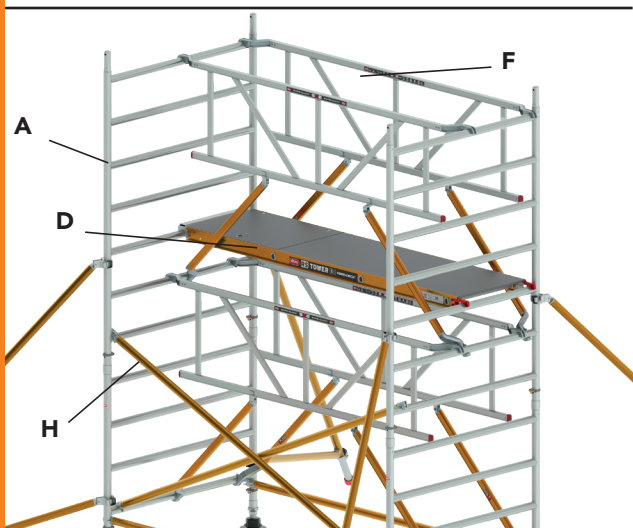


A1

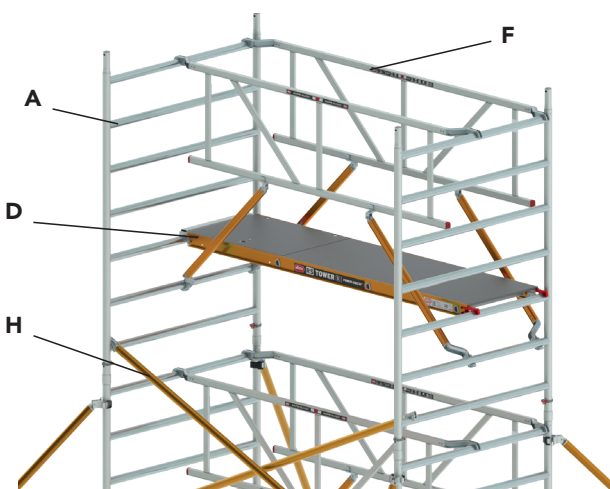
Working height (WH)
3,2 m / 5,2 m / 7,2 m / 9,2 m



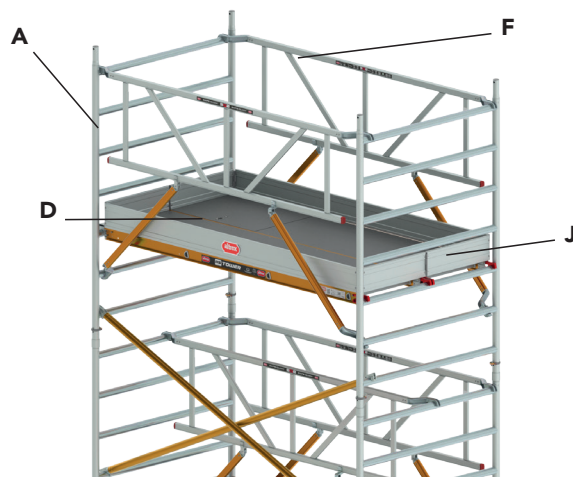
A2



B1





B2





C

T5.



RS TOWER 51-S

				#  5kg		#  5kg	
		KG		Indoor use		Outdoor use	
WH	PH	Wood 2.45	Fiber-Deck® 2.45	Wood 2.45	Fiber-Deck® 2.45	Wood 2.45	Fiber-Deck® 2.45
2.20 m	4,20 m	104	99	0	0	0	0
3.20 m	5,20 m	167	157	0	0	0	0
4.20 m	6,20 m	185	175	0	0	0	0
5.20 m	7,20 m	200	190	0	0	0	0
6.20 m	8,20 m	217	207	0	0	2	2
7.20 m	9,20 m	250	235	0	0	4	4
8.20 m	10,20 m	268	253	0	0	7	7

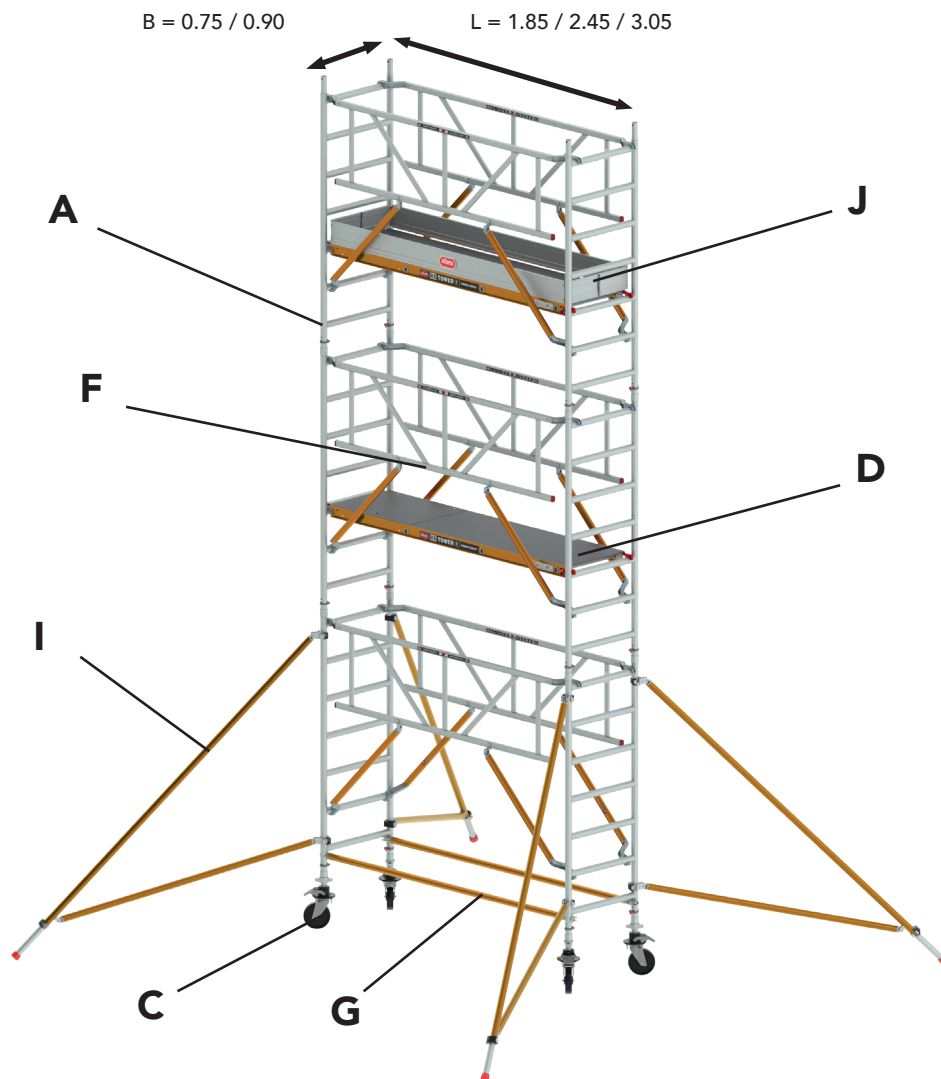
RS TOWER 52-S

				#  5kg		#  5kg	
		KG		Indoor use		Outdoor use	
WH	PH	Wood 2.45	Fiber-Deck® 2.45	Wood 2.45	Fiber-Deck® 2.45	Wood 2.45	Fiber-Deck® 2.45
2.20 m	4,20 m	143	133	0	0	0	0
3.20 m	5,20 m	200	185	0	0	0	0
4.20 m	6,20 m	231	216	0	0	0	0
5.20 m	7,20 m	240	224	0	0	0	0
6.20 m	8,20 m	270	254	0	0	1	1
7.20 m	9,20 m	297	277	0	0	3	4
8.20 m	10,20 m	327	307	0	0	5	6
9.20 m	11,20 m	355	329	0	0	X	X
10.20 m	12,20 m	385	359	0	0	X	X
11.20 m	13,20 m	412	382	0	0	X	X
12.20 m	14,20 m	442	412	0	0	X	X

RS TOWER 54-S

				#  5kg		#  5kg	
		KG		Indoor use		Outdoor use	
WH	PH	Wood 1.85	Fiber-Deck® 1.85	Wood 1.85	Fiber-Deck® 1.85	Wood 1.85	Fiber-Deck® 1.85
2.80 m	4,80 m	107	103	0	0	0	0
4.80 m	6,80 m	151	143	0	0	0	0
6.80 m	8,80 m	205	193	0	0	4	4

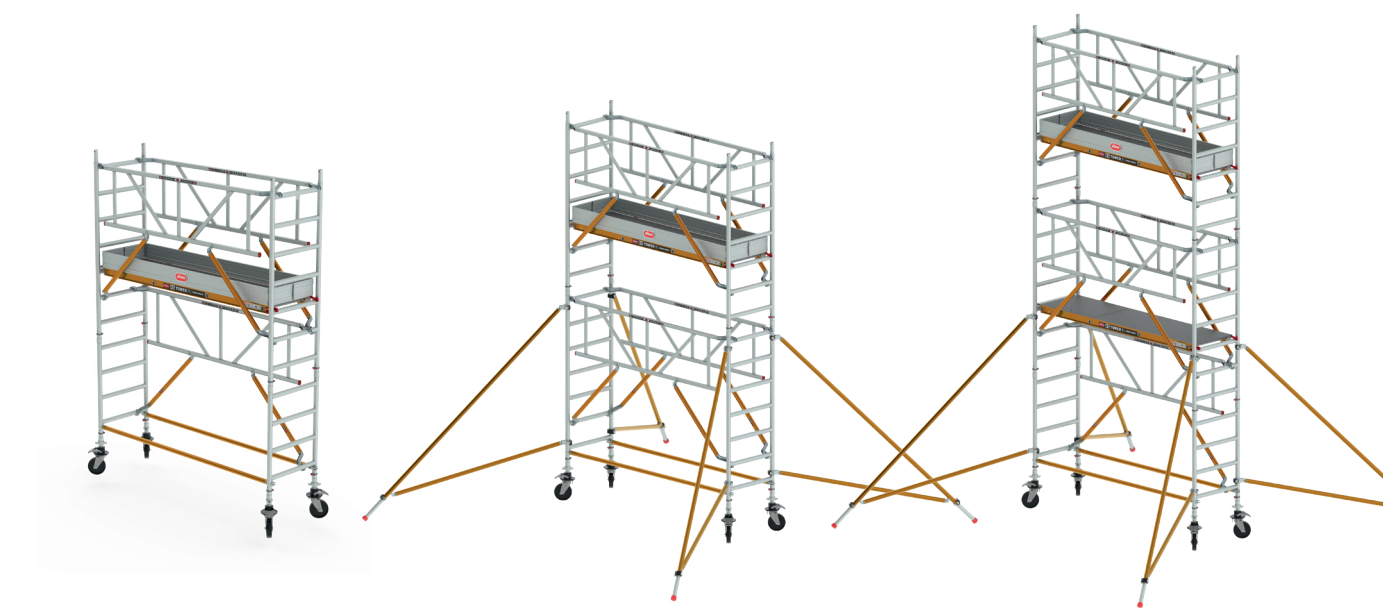
T6. RS TOWER 51 Safe-Quick® Guardrail



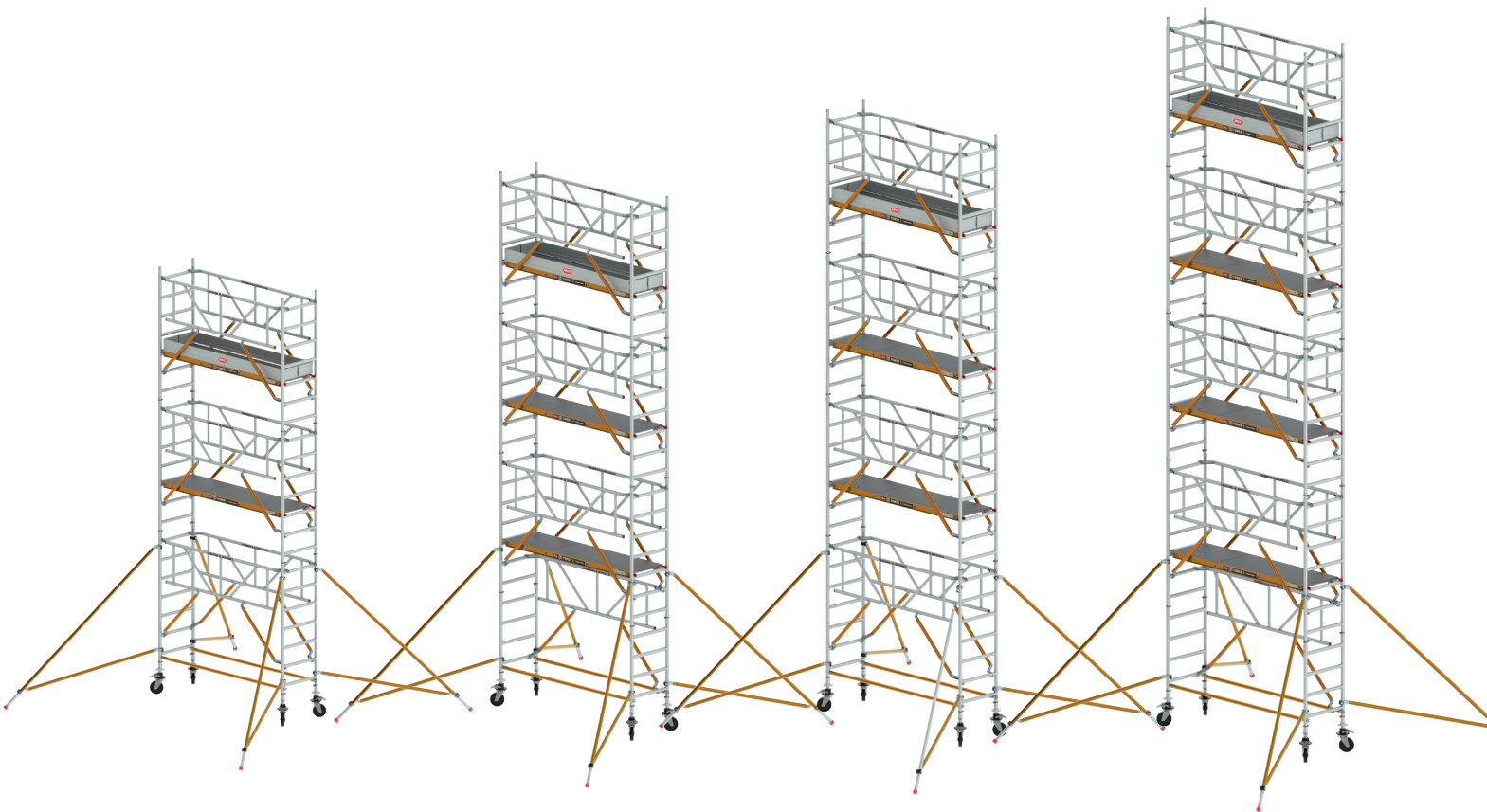
		PH	2,20 m	3,20 m	4,20 m	5,20 m	6,20 m	7,20 m	8,20 m
		WH	4,20 m	5,20 m	6,20 m	7,20 m	8,20 m	9,20 m	10,20 m
A	59119		2	4	4	6	6	8	8
B	51120		2	-	2	-	2	-	2
C	55119		4	4	4	4	4	4	4
D	50119		1	2	2	2	2/3*	3	3/4*
F	53120		3	4	5	6	7	8	9
G	52119		2	2	2	2	2	2	2
I	56119		-	4	4	4	4	4	4
J	11908		1	1	1	1	1	1	1

* Optional

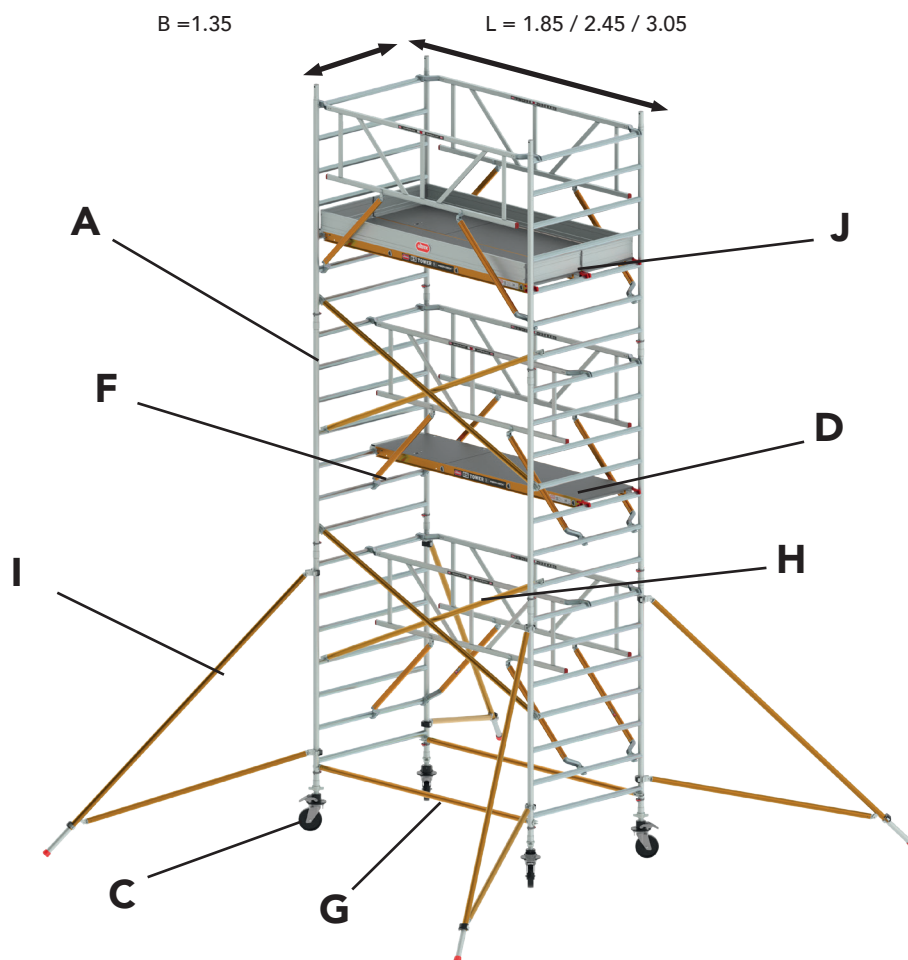
PH	2.20 m	3.20 m	4.20 m
WH	4.20 m	5.20 m	6.20 m

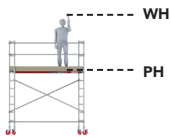











PH	5.20 m	6.20 m	7.20 m	8.20 m
WH	7.20 m	8.20 m	9.20 m	10.20 m



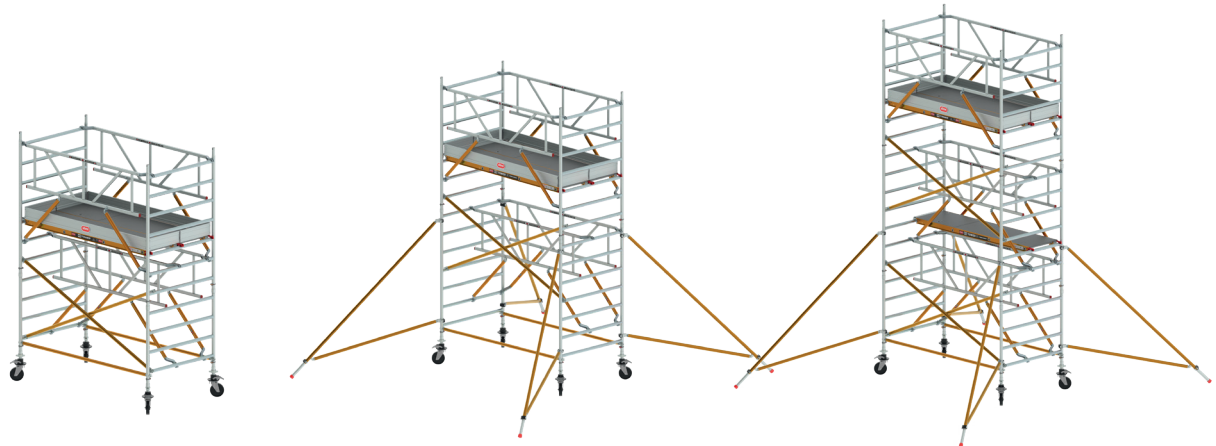
T7. RS TOWER 52 Safe-Quick® Guardrail



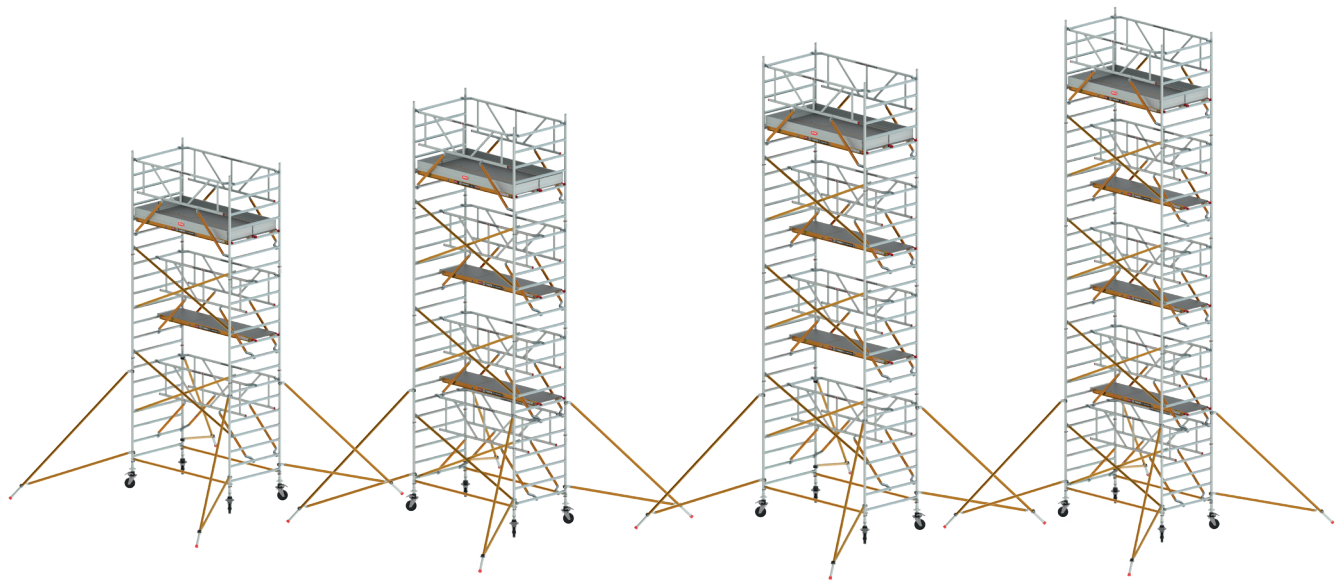
		PH	2,20 m	3,20 m	4,20 m	5,20 m	6,20 m	7,20 m	8,20 m	9,20 m	10,20 m	11,20 m	12,20 m
		WH	4,20 m	5,20 m	6,20 m	7,20 m	8,20 m	9,20 m	10,20 m	11,20 m	12,20 m	13,20 m	14,20 m
A		51119	2	4	4	6	6	8	8	10	10	12	12
B		52120	2	-	2	-	2	-	2	-	2	-	2
C		55119	4	4	4	4	4	4	4	4	4	4	4
D		50119	2	3	3	3	3/4*	4	4/5*	5	5/6*	6	6/7*
F		53120	4	4	6	6	8	8	10	10	12	12	14
G		52119	2	2	2	2	2	2	2	2	2	2	2
H		53119	2*	2*	4*	4*	6*	6*	8*	8*	10*	10*	12*
I		56119	-	4	4	4	4	4	4	4	4	4	4
J		11907	1	1	1	1	1	1	1	1	1	1	1

* Optional

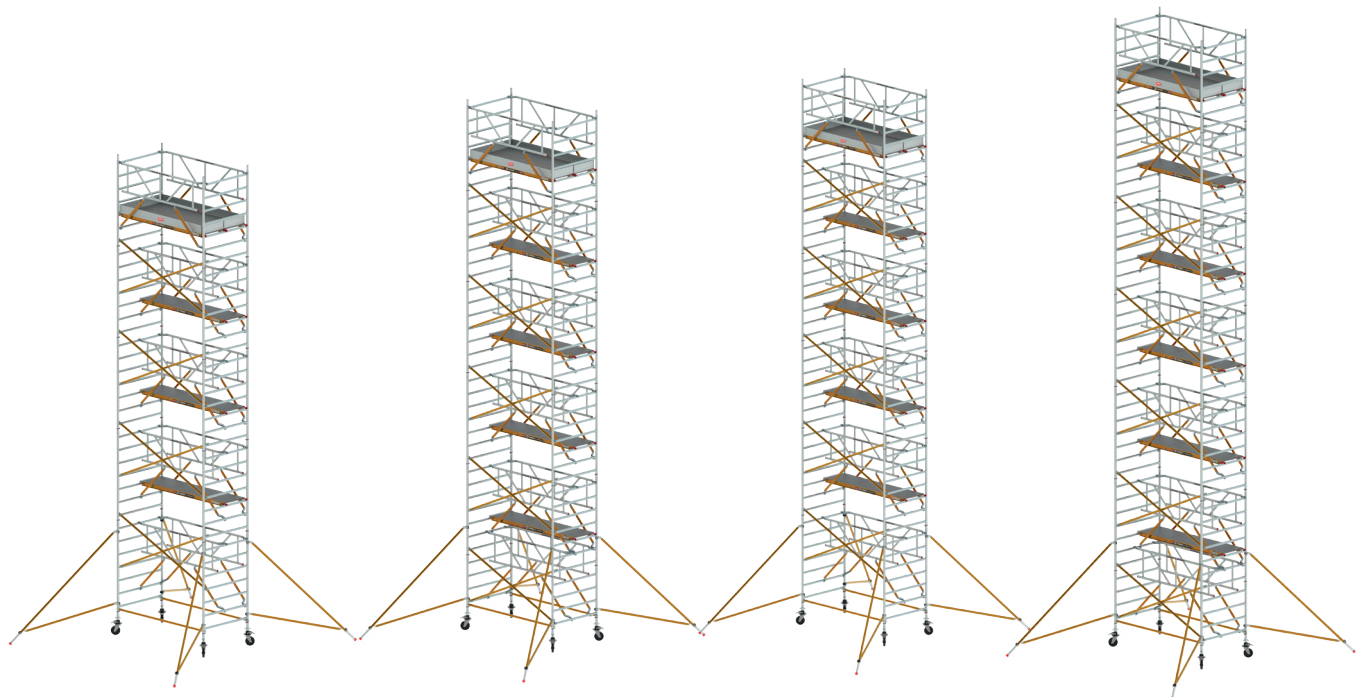
PH	2.20 m	3.20 m	4.20 m
WH	4.20 m	5.20 m	6.20 m



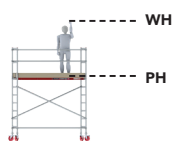
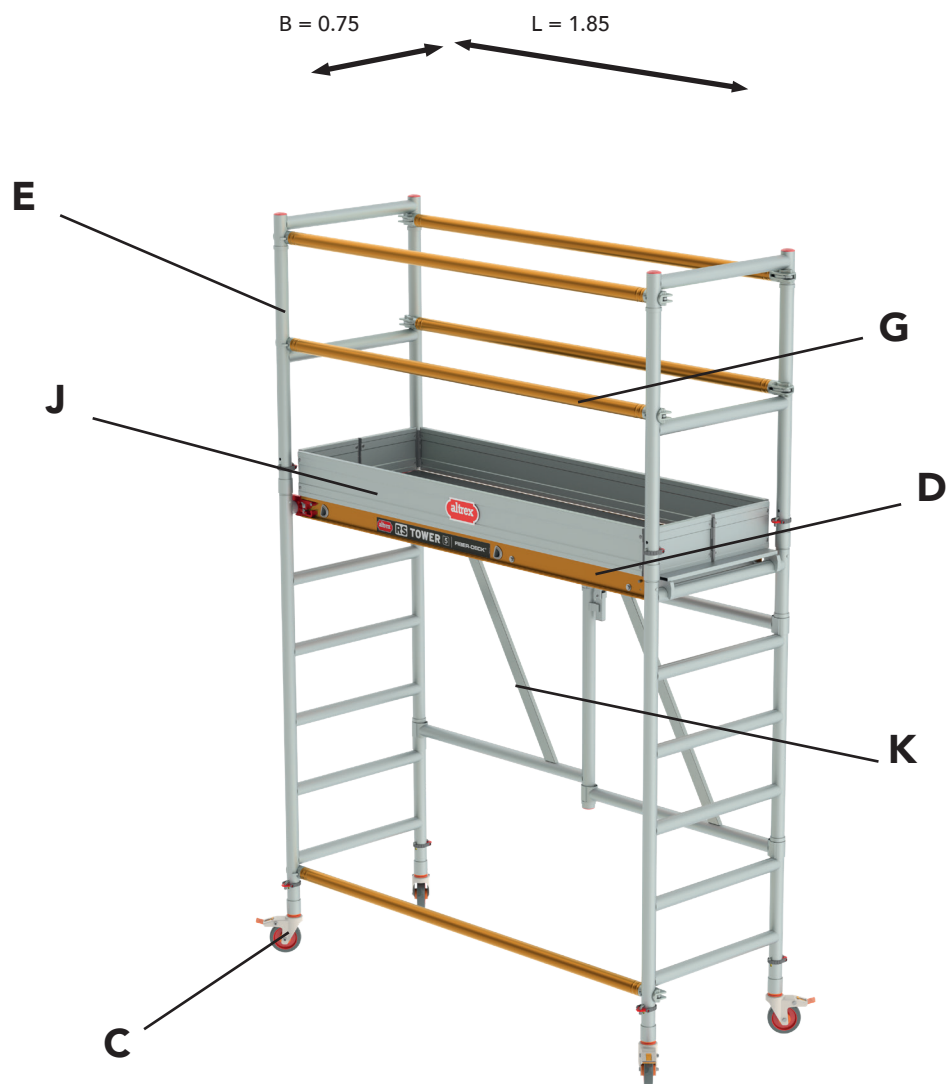
PH	5.20 m	6.20 m	7.20 m	8.20 m
WH	7.20 m	8.20 m	9.20 m	10.20 m









PH	9.20 m	10.20 m	11.20 m	12.20 m
WH	11.20 m	12.20 m	13.20 m	11.20 m



T8. RS TOWER 54



PH		1,80 m	
WH		3,80 m	
K		5115B	1
E		50120	2
C		5115F	4
D		50119	1
G		52119	5
J		11907	1



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