

Assembly and Use Manual QUICKY TOWER



EN 1004

EN 1298



fig. 1



fig. 2

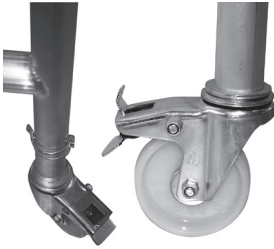


fig. 3



fig. 4



fig. 5



fig. 6



fig. 7

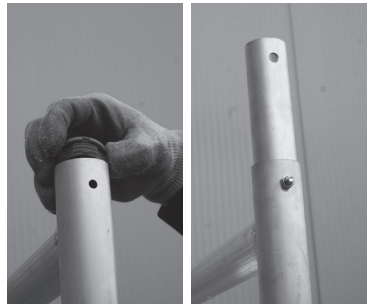


fig. 8



fig. 9



fig. 10



fig. 11

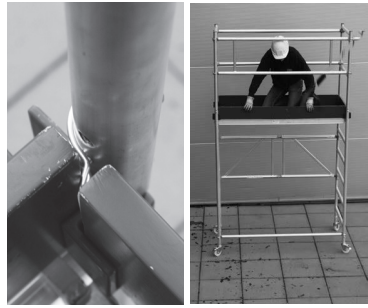


fig. 12



fig. 13



fig. 14



fig. 15

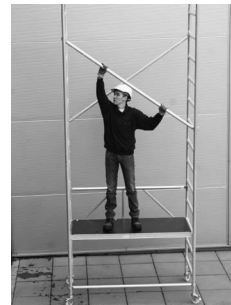


fig. 16

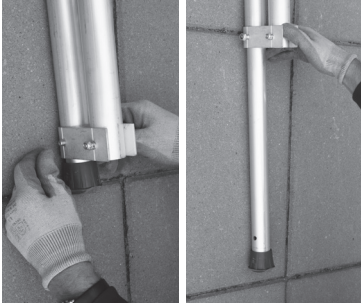


fig. 17

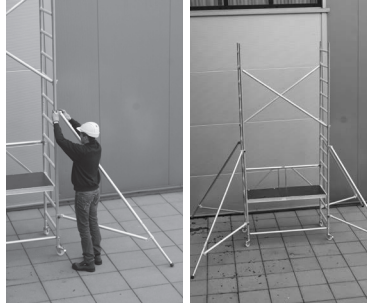


fig. 18



fig. 19

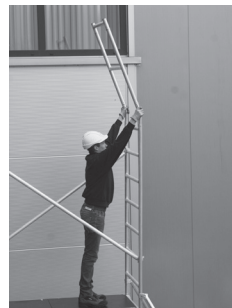


fig. 20



fig. 21



fig. 22



fig. 23



fig. 24



fig. 25



fig. 26

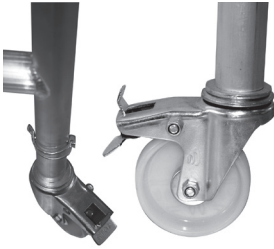


fig. 27



fig. 28



fig. 29



fig. 30

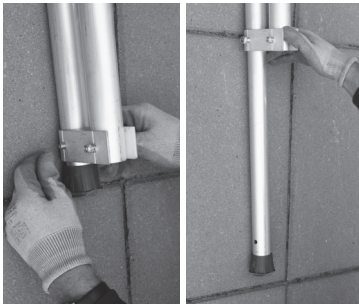


fig. 31

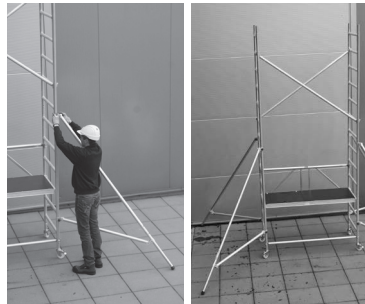


fig. 32



fig. 33



fig. 34



fig. 35



fig. 36



fig. 37



fig. 38



fig. 39



fig. 40



fig. 41



fig. 42



fig. 43



fig. 44



fig. 45



fig. 46

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I Introduction

This manual is solely intended to be used in conjunction with the folding/rolling tower QUICKY, hereinafter called the tower, as described in this assembly and use manual, hereinafter referred to as the manual.

Prior to starting assembly of the tower, you should carefully read this manual. The tower that is required should be assembled and used in accordance with this manual.

All instructions contained in this manual should be strictly observed.

If the instructions contained in this manual are not followed, accidents may arise. Youngman cannot be held liable for any loss resulting from the assembly or use of an Youngman 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.

II General

A number of configurations are possible with the Series QUICKY tower.

For information about the tower configurations, we refer you to the configurations table, included in this manual. Towers may only be assembled, disassembled or modified under the direction of an authorised person and by employees who have received adequate and specific training for the intended work, in terms of the specific risks involved which, in particular, addresses:

- understanding the assembly, disassembly or conversion plan of the tower in question;
- safely assembling, disassembling or converting the tower in question;
- measures in order to avoid the risks to individuals or objects;
- safety measures in the event of changing weather conditions which could affect the safety of the towers in question;
- the allowable load;
- every other risk that could arise as a result of the aforementioned assembly and disassembly or conversion work.

The individuals responsible for the work and the employees involved in the work must have access to a copy of this manual.

Only original parts should be used for assembly.

The standard tower configurations meet the European Standard EN1004, load class 2 (for strength and stability) and EN 1298 (for Manuals). Local law and legislation might encompass measures in addition to those stated in this manual.

If possible, and if it can be achieved safely, for additional personal safety, individuals working on the assembly should secure themselves to the external wall. Individuals should not secure themselves to the tower itself, unless the tower is anchored to the wall.

II.1 Use

The QUICKY tower is suitable for working at a height.

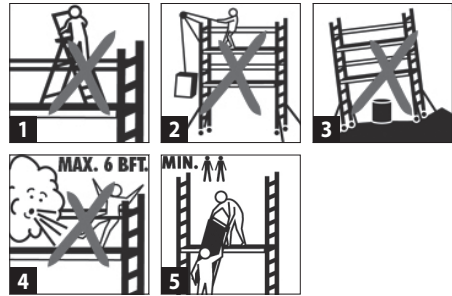
Series	Max. platform height	Max. platform height
	Indoor	Outdoor
QUICKY	5.8 meters	5.8 meters

- The maximum load per platform is 150 kg/m².
- The maximum load on the tower (as a whole) is 135 kg.
- Horizontal loads exceeding 30 kg resulting from the work to be carried out from the tower are not permitted. In the event of significant forces, the tower should be anchored to the wall.
- The tower may only be used on horizontal, flat and solid surfaces.
- The tower may not be used at wind speeds exceeding 14 m/s (max. 6 Beaufort).
- The tower may not be used in the event of a storm, snow, ice, heavy rainfall or lightning.
- Hoisting or suspending the tower is not permitted.
- The tower may not be used in order to gain access to other constructions.
- The standard configurations are not calculated on the use of tarpaulins and/or advertising boards.
- A tower should not be able to slide away or to make movements that are not intended.

II.II Additional instructions when using towers

- When working with towers, safety shoes, working gloves and a safety helmet should be worn.
- Never ascend the tower on the outside and never stand on the braces.
- Never raise the height of the work platform through the use of stairs, crates, etc, figure 1.
- The base dimensions of the platforms may not be increased in any way.
- The use of hoisting gear on or for the tower is not permitted (figure 2); this can seriously affect the stability. Tower parts and tools may only be transported manually to the work platform, for example, using a rope and a bucket.
- If the tower is to be placed on a soft surface, ground protection plates or U-profiles should be placed underneath the wheels, figure 3.
- Particular attention should be paid to the wind load in areas that are affected by the wind, for example, open constructions and at the corners of a building. In the event of a wind force in excess of 14 m/s (max. 6 Beaufort), plus at the end of the working day, the rolling tower must be moved to a wind-free place, figure 4.
- No additional work platforms or other objects may be attached to the outside of the standard tower.
- Stages may not be mounted between the tower and a building.
- The tower must not be out of the perpendicular in excess of 1%. Therefore, at a height of 4 meters, the deviation may not exceed 4 cm.
- Take sufficient measures against weather influences that will help to ensure safe working on the tower.
- Take sufficient measures against environmental factors that will help to ensure safe working on the tower.
- Use guardrailing when this is required from a safety or legislative point of view.
- Never leave the tower unsupervised. Make sure that unauthorised individuals cannot gain access to the tower.
- The use of a combination of tower parts of different brands/manufacturers is not permitted.
- The workplace around the tower has to be cordoned off using cones and/or marking tape.
- Make sure that safe working with the tower is always given priority.
- A minimum of 2 people should always be used to assemble a tower, figure 5.

- Position the stabilizer if required. It is not compulsory below a height of 2.5 m; however, for work with significant horizontal forces, this is recommended.



II.III Checklist for the use of towers

When an assembled tower is (re)used, the following should always be checked:

1. That the tower is the correct one for the intended use.
2. That the immediate vicinity in which the tower is assembled allows for safe use.
3. That the tower can still be used safely.
4. That the quality of the surface is horizontal, flat and sufficiently loadbearing.
5. That the environmental factors, such as opening doors, automatically working sun blinds, above-ground electrical cables, traffic and/or passers-by, etc., do not lead to dangerous situations.
6. That there is sufficient free space to be able to assemble and use the tower safely.
7. That all required parts and safety tools are available at the workplace.
8. That no damaged parts or parts other than those prescribed are used.
9. That the tower is assembled in accordance with this manual and in conformity with the configuration table.
10. That the maximum assembly height is not exceeded.
11. That it is easy to climb up the inside of the tower.
12. That the wheels are correctly attached, aligned, and that the brake is applied.
13. That the frames are correctly assembled and secured.

14. That the horizontal and diagonal braces are assembled and secured in the correct position.
15. That the stabilizers are correctly assembled.
16. That the tower is perpendicular (check using a spirit level).
17. That the tower is stable.
18. That the platforms are situated in the correct position and the wind security lock is secured in place.
19. That the tower configuration is inspected frequently (see inspection sticker).
20. That all locking pins are in place in the construction and that these are locked.

II.IV Inspection, Care and Maintenance

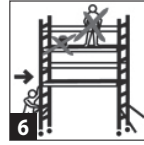
1. Tower parts must be handled and transported with care, in order to avoid damage.
2. Storage should be organised in such a way that only undamaged parts, in the correct amounts, are available for assembly of the tower.
3. Check all moving parts for correct functioning and to ensure that these are not contaminated.
4. Check all parts for damage. Damaged or incorrect parts may not be used.
5. Damaged parts have to be returned to the manufacturer for inspection.
6. Towers for professional use must be inspected annually for any defects by an expert. For a fee, Repair and Assembly can be used for inspections and, if required, repairs.

II.V Disassembly of the tower

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

II.VI Relocating the tower

- In order to relocate the tower, the stabilizers have to be raised to a maximum of 10 cm.
- The wheel brakes are released by pressing the brake pedal.

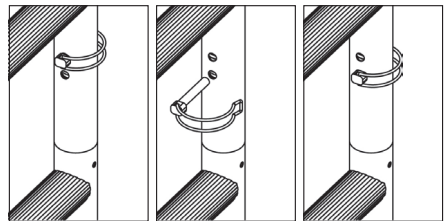


- When the tower is being relocated, persons and/or materials may not remain on the tower, figure 6.
- Beforehand, checks should be made that the environmental factors, such as opening doors, canopies, pits, automatically functioning sun blinds, above-ground electrical cables, traffic and/or passers-by, etc. do not pose the risk of dangerous situations while the tower is being relocated.
- Only relocate a tower in the lengthways direction or in the diagonal direction, manually, over a flat, horizontal and sufficiently load-bearing surface. Make sure that the tower does not start to slant during relocation.
- Immediately after relocating the tower, the wheel brakes have to be applied and locked, by pressing the brake pedal.
- After relocation, the tower has to once again be horizontally aligned; this should be done using a spirit level.
- Once again adjust all of the stabilizers, so that they are in contact with the surface.

II.VII Assembly and/or repair of replacement parts

Replacement parts must be fitted to the correct product and in the same way as the part that is replaced. Assembly (attachment) and/or repair is effectuated at the own risk and expense of the client. Youngman is not liable for damage caused by incorrect assembly and/or repair. Against payment, Youngman can be called in for the repair of your product, and/or the assembly of the parts in question.

II.VIII Locking pins



III Folding/rolling tower QUICKY

III.I Configuration table QUICKY

GENERAL

		1.00	1.80	3.80	5.80
Platform, height (m)					
Working height (m)		3.00	3.80	5.80	7.80

	Description	Weight (kg)	A	B	A+B	C	A+B+C	D	A+B+C+D
0,75 x 1,60 m.	Folding part	11,4	1	0	1	0	1	0	1
	Set of 4 collar tubes	0,6	0	1	1	1	2	1	3
	Frame	4,6	0	0	0	2	2	2	4
	Guardrail frame	1,9	0	2	2	0	2	0	2
	Platform with trap door	11,2	1	0	1	1	2	1	3
	Diagonal brace	1,4	0	0	0	3	3	3	6
	Horizontal brace	1,3	0	3	3	0	3	1	4
	Double guardrail shore	2,8	0	1	1	0	1	0	1
	Triangular stabilizer	2,9	0	0	0	4	4	0	4
	Toe boards	5,7	0	1	1	0	1	0	1
	Toe boards clamp	0,1	0	4	4	0	4	0	4
	Set of wheels (4 items)	4,4	1	0	1	0	1	0	1
	Total weight (kg)			22,6	17,2	39,8	36,8	76,6	27,8

IV Method of Assembly QUICKY tower

Assembly method QUICKY to 3.8 m

1m platform height

- 1 Fit the wheels and lock these using the locking pin fi . 1
- 2 Unfold the folding frame and lock this fi . 2
- 3 Point the wheels outwards and put the brake on fi . 3
- 4 Place the platform on the 3rd rung fi . 4
- 5 The scaffold is ready for use fi . 5

1.8m platform height

- 1 The 1m platform height configuration forms the basis for this fi . 6
- 2 Fit a horizontal shore above the wheels fi . 7
- 3 Fit the cantilever frames. Cantilever frames have to retain some play fi . 8
- 4 Fit the end guardrails and lock these fi . 9
- 5 Place the knee and hip guardrails from the inside to the outside fi . 10
 - 2 horizontal shores and 1 double guardrail shore of
 - 4 horizontal shores
- 6 Move the platform (6th rung folding frame) fi . 11
- 7 Fit the toe board brackets and toe boards fi . 12
- 8 The scaffold is ready for use fi . 13

3.8m platform height

1	The 1 m platform height configuration with horizontal shore forms the basis for this	fi . 14
2	Fit the extension frames and lock these	fi . 15
3	Fit the diagonals (as from the 2nd rung of the 1st extension frame)	fi . 16
4	Extend the tube from the triangular stabilisers and lock this	fi . 17
5	Fit the stabilisers and make sure that the ends touch the ground	fi . 18
6	Move the platform (6th rung folding frame)	fi . 19
7	Fit the end guardrails	fi . 20
8	Fit the platform	fi . 21
9	Fit the knee and hip guardrails from the inside to the outside	fi . 22
	• 2 horizontal shores and 1 double guardrail shore of	
	• 4 horizontal shores	
10	Fit the toe board brackets and toe boards	fi . 23
11	The scaffold is ready for use	fi . 24

Assembly method SUPER to 5.8 m

5.8m platform height

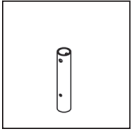
1	Fit the wheels and lock these using the locking pin	fi . 25
2	Unfold the folding frame and lock this	fi . 26
3	Point the wheels outwards and put the brake on	fi . 27
4	Assemble the extension frames and lock these	fi . 28
5	Fit the platform (2nd rung)	fi . 29
6	Fit the diagonals	fi . 30
7	Extend the tube from the triangular stabilisers and lock this	fi . 31
8	Fit the stabilisers and make sure that the ends touch the ground	fi . 32
9	Fit the platform (3rd rung extension frame)	fi . 33
10	Fit the hip guardrails	fi . 34
11	Fit the end guardrails to the extension frame and lock these	fi . 35
	Place this construction and lock it	
12	Fit the diagonals (as from the 5th rung of the 1st extension frame)	fi . 36
13	Fit the auxiliary platform (3rd rung extension frame)	fi . 37
14	Fit an auxiliary shore above the platform and above the wheels	fi . 38
15	Remove the lowermost platform and position this as a working platform	fi . 39

16	Remove the auxiliary platform and the auxiliary guardrails	fi . 40
17	Fit the platform on the lowest rung and place (equally distributed) a total of 40 kg of ballast on the platform, 2 x ballast (art. no. 415270, 20 kg) or an equivalent alternative	fi . 41
18	Fit the diagonals	fi . 42
19	Fit the knee and hip guardrails	fi . 43
	<ul style="list-style-type: none">• 2 horizontal shores and 1 double guardrail shore of• 4 horizontal shores	
20	Assemble the toe board brackets and toe boards	fi . 44
21	The scaffold is ready for use	fi . 45
22	Disassemble the scaffold in reverse order	
23	Use a horizontal shore to unlock the diagonals	fi . 46

V Parts for the Series QUICKY



Folding part



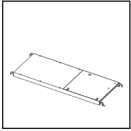
Set of 4 collar tubes



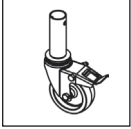
Frame



Guardrail frame



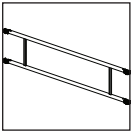
Platform with trap door

Set of 4 wheels \varnothing 100 mm
double braked

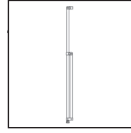
Diagonal brace



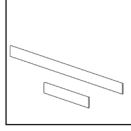
Horizontal brace



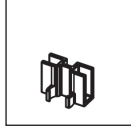
Double guardrail brace



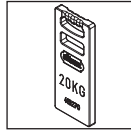
Triangular stabilizer



Toe board set



Toe board clamp



Counterweights 20 kg

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