

8 MOBILE SCAFFOLDING DELTA 73

The DELTA 73 mobile scaffolding is mainly based on façade scaffolding components. The main advantage of DELTA 73 mobile scaffolding is mobility - it can be assembled and disassembled so that their dimensions can be adapted to given working conditions. They are often places with very limited space.

8.1 MOBILE SCAFFOLDING DELTA 73 SINGLE

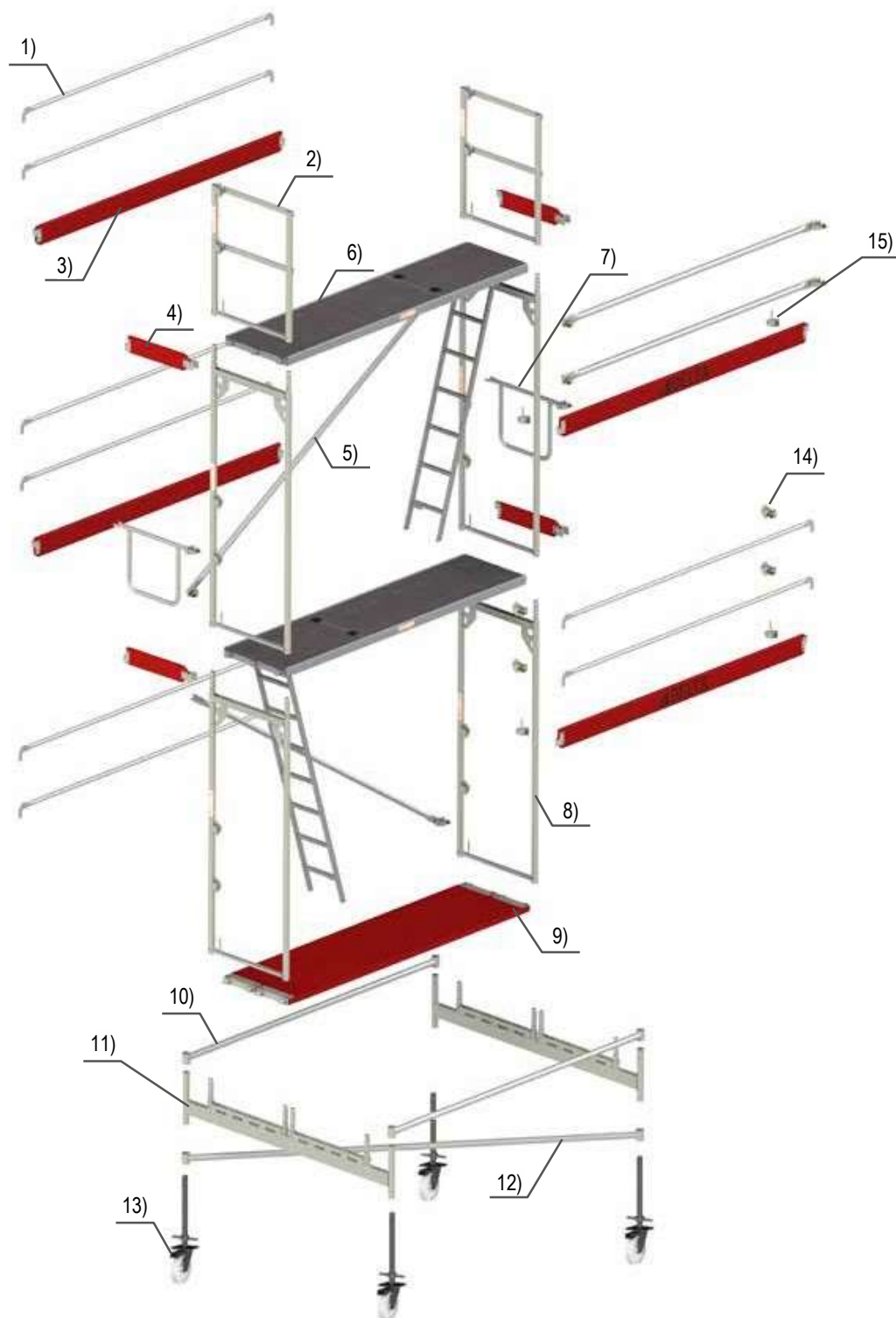
When assembling the DELTA 73 scaffolding, it should be checked at every stage that it is fully level and vertical, because, among other things, the safety of work depends on it. The verticality and horizontality are set by means of plastic rollers (castors) with an adjustable threaded spindle, mounted to the beam of the mobile scaffold. Then, on each level, we assemble the DELTA 73 scaffolding frames and all the others façade scaffolding components - aluminum slab filled with plywood with a ladder and scaffolding stiffening components (bracings, handrails) and securing components (curbs and side rails).

The following points should be considered:

- mobile scaffolding with a circulation path meets Polish and European scaffolding standards ,
- the maximum height of the working platform is:
 - closed room - 10,45 m,
 - open space - 8,45 m,
- load of the working platform (alu-plywood cover) is 2,00 kN/m²,
- the ballast and its values are included in the tables on page 93.



Fig. 34. Single-sided mobile scaffolding DELTA 73.



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| 1) LN 002 257 - Longitudinal railing 2.57 m | 9) LN 032 257 - Wooden platform 2.57 m |
| 2) LN 006 073 - Upper edge frame | 10) LN 011 004 - Horizontal brace 2.57 m |
| 3) LN 003 257 - Longitudinal curb 2.57 m | 11) LN 011 002 - Travel beam |
| 4) LN 004 073 - Side curb 0.73 m | 12) LN 011 003 - Horizontal diagonal brace 2.57 m |
| 5) LN 001 257 - Vertical brace 2.57 m | 13) DL 011 002 - Roller foot (castor) with a brake |
| 6) LN 164 257 - Transition platform, aluminum-plywood 2.57 m | 13) LN 010 002 - Handrail connector |
| 7) LN 005 073 - Double side railing | 13) DL 010 004 - Curb joint |
| 8) LN 073 201 - Vertical aluminum frame | |

Fig. 35. One-sided mobile scaffolding DELTA 73 - Exploded view.

Spacing of vertical frames 2.57 m									
No.	Cat. No.	Name of the component	Working height (m)	4.45	6.45	8.45	10.45	12.45	Weight of one component [kg]
			Scaffolding height (m)	3.45	5.45	7.45	9.45	11.45	
			Height of the last working platform (m)	2.45	4.45	6.45	8.45	10.45	
1.	LN 011 002	Travel beam		2	2	2	2	2	22.50
2.	DL 011 001	Roller with brake		4	4	4	4	4	5.70
3.	LN 011 004	Horizontal brace 2.57 m		2	2	2	2	2	7.30
4.	LN 011 003	Horizontal brace oblique to the bay 2.57 m		1	1	1	1	1	9.30
5.	LN 010 002	Handrail connector		4	8	12	16	20	1.10
6.	LN 073 200	Steel frame 2.0 x 0.73 m		2	4	6	8	10	18.50
7.	LN 002 257	Longitudinal steel handrail 2.57 m		6	10	14	18	22	4.70
8.	LN 001 257	Brace vertical to the bay 2.57 m		1	2	3	4	5	7.30
9.	LN 032 257	Wooden platform 2.57 m		2	2	2	2	2	20.90
10.	LN 264 257	Passage aluminum platform with a ladder 2.57 m		1	2	3	4	5	25.40
11.	LN 005 073	Double side railing		---	2	4	6	8	3.00
12.	LN 004 073	Side curb 0.73 m		2	4	6	8	10	1.70
13.	LN 003 257	Longitudinal curb 2.57 m		2	4	6	8	10	5.90
14.	DL 010 004	Curb joint		2	4	6	8	10	0.95
15.	LN 006 073	End frame		2	2	2	2	2	9.00
Ballast (kg) when used			in an enclosed space	---	---	16	61	109	
			outdoors	---	90	212	358	---	
Total weight of the set (not including ballast) [kg]				270.90	386.90	502.90	618.90	734.90	

Spacing of vertical frames 3.07 m									
No.	Cat. No.	Name of the component	Working height (m)	4.45	6.45	8.45	10.45	12.45	Weight of one component [kg]
			Scaffolding height (m)	3.45	5.45	7.45	9.45	11.45	
			Height of the last working platform (m)	2.45	4.45	6.45	8.45	10.45	
1.	LN 011 002	Beam with nipples for rollers		2	2	2	2	2	22.50
2.	DL 011 001	Roller (castor) with a brake		4	4	4	4	4	5.70
3.	LN 011 006	Horizontal brace 3.07 m		2	2	2	2	2	7.80
4.	LN 011 005	Horizontal brace oblique to the bay 3.07 m		1	1	1	1	1	10.00
5.	LN 010 002	Handrail connector		4	8	12	16	20	1.10
6.	LN 073 200	Steel frame 2.0 x 0.73 m		2	4	6	8	10	18.50
7.	LN 002 307	Longitudinal handrail 3.07 m		6	10	14	18	22	5.30
8.	LN 001 307	Brace vertical to the bay 3.07 m		1	2	3	4	5	8.60
9.	LN 032 307	Wooden platform 3.07 m		2	2	2	2	2	23.40
10.	LN 264 307	Passage aluminum platform with a ladder 3.07 m		1	2	3	4	5	30.50
11.	LN 005 073	Double side railing		---	2	4	6	8	3.00
12.	LN 004 073	Side curb 0.73 m		2	4	6	8	10	1.70
13.	LN 003 307	Longitudinal curb 3.07 m		2	4	6	8	10	7.80
14.	DL 010 004	Curb joint		2	4	6	8	10	0.95
15.	LN 006 073	End frame		2	2	2	2	2	9.00
Ballast (kg) when used			in an enclosed space	---	---	16	61	109	
			outdoors	---	90	212	358	---	
Total weight of the set (not including ballast) [kg]				291.40	420.00	548.60	677.20	805.80	

Table 3. List of components of an exemplary single mobile scaffold DELTA 73.

Note:

The above list is an example list, any configuration of components is possible, e.g. steel or aluminum frames, steel, wooden or aluminum platforms with different working widths of 0.32 m or 0.63 m are available.

8.2 MOBILE SCAFFOLDING DELTA 73 DOUBLE

Double mobile scaffolding consists of two scaffolding risers, one of which is a circulation path with an aluminum-plywood board with a ladder.

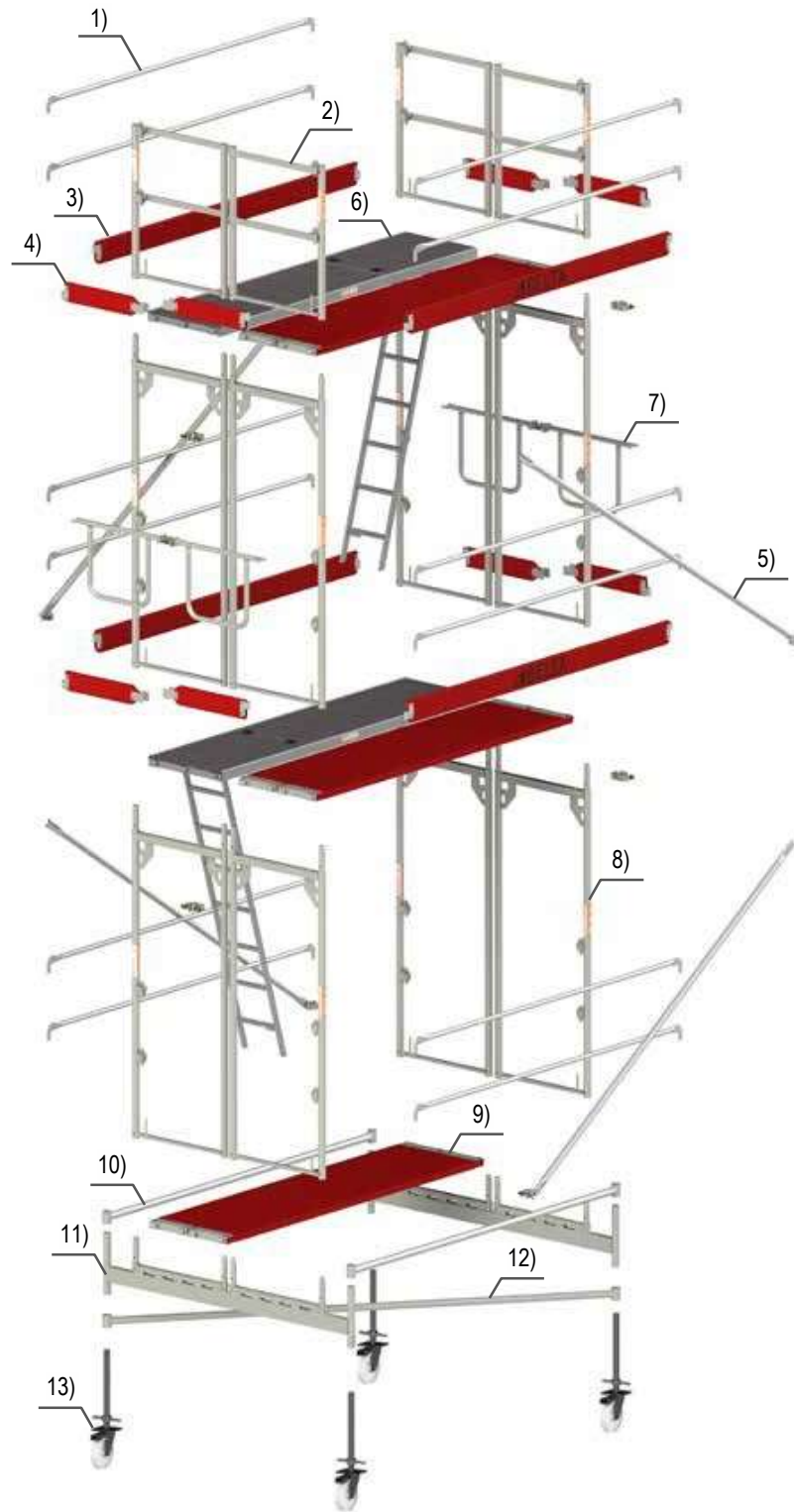
Just like single scaffolding, double scaffolding is used for assembly, insulation and façade works. In order to take full advantage of the possibilities of such scaffolding, a suitable base must be prepared for manual movement of a given structure.

The following points should be considered:

- mobile scaffolding with circulation path meets Polish and European scaffolding standards,
- the maximum height of the working platform is:
 - closed room – 10.45 m,
 - open space – 8.45 m,
- load of the working platform (alu-plywood passage) is 2.00 kN/m²,
- the ballast and its values are presented in the tables on page 96.



Fig. 36. Double-sided mobile scaffolding DELTA 73.



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| 1) LN 002 257 - Longitudinal railing 2.57 m | 8) LN 073 201 - Vertical aluminum frame |
| 2) LN 006 073 - Upper edge frame | 9) LN 032 257 - Double wooden deck 2.57 m |
| 3) LN 003 257 - Longitudinal curb 2.57 m | 10) LN 011 004 - Horizontal brace 2.57 m |
| 4) LN 004 073 - Side curb 0.73 m | 11) LN 011 002 - Travel beam |
| 5) LN 001 257 - Vertical brace 2.57 m | 12) LN 011 003 - Horizontal diagonal brace 2.57 m |
| 6) LN 164 257 - Transition platform, aluminum-plywood 2.57 m | 13) DL 011 002 - Roller foot (castor) with a brake |
| 7) LN 005 073 - Double side railing | |

Fig. 37. Double-sided mobile scaffolding DELTA 73 - Exploded view.

Spacing of vertical frames 2.57 m									
No.	Cat. No.	Name of the component	Working height (m)	4.45	6.45	8.45	10.45	12.45	Weight of one component [kg]
			Scaffolding height (m)	3.45	5.45	7.45	9.45	11.45	
			Height of the last working platform (m)	2.45	4.45	6.45	8.45	10.45	
1.	LN 011 002	Travel beam	2	2	2	2	2	2	22.50
2.	DL 011 001	Roller with brake	4	4	4	4	4	4	5.70
3.	LN 011 004	Horizontal brace 2.57 m	2	2	2	2	2	2	7.30
4.	LN 011 003	Horizontal brace oblique to the bay 2.57 m	1	1	1	1	1	1	9.30
5.	LN 073 201	Aluminum frame 2.0 x 0.73 m	4	8	12	16	20		9.60
6.	LN 002 257	Longitudinal steel railing 2.57 m	8	12	16	20	24		4.70
7.	LN 001 257	Brace vertical to the bay 2.57 m	2	4	6	8	10		7.30
8.	LN 032 257	Wooden platform 2.57 m	4	6	8	10	12		20.90
9.	LN 264 257	Aluminum access platform with a ladder 2.57 m	1	2	3	4	5		25.40
10.	LN 005 073	Double side railing	---	4	8	12	16		3.00
11.	LN 004 073	Side curb 0.73 m	4	8	12	16	20		1.70
12.	LN 003 257	Longitudinal curb 2.57 m	2	4	6	8	10		5.90
13.	DL 010 001	Rotary joint	2	4	6	8	10		1.40
14.	LN 006 071	Aluminum end frame	4	4	4	4	4		6.90
Ballast (kg) when used			in an enclosed space	---	---	16	61	109	
			outdoors	---	90	212	358	---	
Total weight of the set (not including ballast) [kg]			340.30	512.70	685.10	857.50	1029.90		

Spacing of vertical frames 3.07 m									
No.	Cat. No.	Name of the component	Working height (m)	4.45	6.45	8.45	10.45	12.45	Weight of one component [kg]
			Scaffolding height (m)	3.45	5.45	7.45	9.45	11.45	
			Height of the last working platform (m)	2.45	4.45	6.45	8.45	10.45	
1.	LN 011 002	Travel beam	2	2	2	2	2	2	22.50
2.	DL 011 001	Roller with brake	4	4	4	4	4	4	5.70
3.	LN 011 006	Horizontal brace 3.07 m	2	2	2	2	2	2	7.80
4.	LN 011 005	Horizontal brace oblique to the bay 3.07 m	1	1	1	1	1	1	10.00
5.	LN 073 201	Aluminum frame 2.0 x 0.73 m	4	8	12	16	20		9.60
6.	LN 002 307	Longitudinal handrail 3.07 m	8	12	16	20	24		5.30
7.	LN 001 307	Brace vertical to the bay 3.07 m	2	4	6	8	10		8.60
8.	LN 032 307	Wooden platform 3.07 m	4	6	8	10	12		23.40
9.	LN 264 307	Aluminum access platform with a ladder 3.07 m	1	2	3	4	5		30.50
10.	LN 005 073	Double side railing	---	4	8	12	16		3.00
11.	LN 004 073	Side curb 0.7 m	2	4	6	8	10		1.70
12.	LN 003 307	Longitudinal curb 3.07 m	2	4	6	8	10		7.80
13.	DL 010 001	Rotary joint	2	4	6	8	10		1.40
14.	LN 006 071	Aluminum end frame	4	4	4	4	4		6.90
Ballast (kg) when used			in an enclosed space	---	---	16	61	109	
			outdoors	---	90	212	358	---	
Total weight of the set (not including ballast) [kg]			364.90	552.80	740.70	928.60	1116.50		

Table 4. List of components of an exemplary DELTA 73 double mobile scaffolding.

Note:

The above list is an example list, any configuration of components is possible, e.g. steel or aluminum frames, steel, wooden or aluminum platforms with different working widths of 0.32 m or 0.63 m are available.