KRAUSE

Ladders and scaffold systems

STABILO®
Professional

Mobile scaffolds 2021

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QUALITY
Since 1900

Changes to **DIN EN 1004** for KRAUSE STABILO® mobile scaffolds

The standard DIN EN 1004, which applies to Mobile Scaffold, has been revised in the past months and will take effect on 01.12. 2021. The standard incorporates a few changes. In addition to an extension of the scope of validity, fundamental changes regarding assembly and structural design of scaffolds were implemented.

Why has the standard been changed?

The aim of the standard change is to increase the safety of the users of mobile scaffolds. A fundamental change provides for railings and struts to be always mounted to the next lower platform. In the case of the first platform, the scaffold must be anchored from the ground. Alternatively, railings may also be attached through the open platform hatch. For all scaffolds and due to safety reasons, KRAUSE has decided against this method and allows assembly from the next lower level.

KRAUSE GuardMatic System – maximum safety at any height

When users cross a platform, there is always a railing around it to prevent falling down. This also applies when scaffolds are disassembled, as the risk potential increases. The newly designed guardrail frames of the GuardMatic system can be easily mounted from the next lower level and combines railing, knee rail and diagonal strut. This reduces the number of individual parts and simplifies transport and logistics of the mobile scaffolds as well. The 6-point fixing of the new GuardMatic system with its vertical frame ensures maximum stability at any height and simplifies assembly and dismantling. After use, the diagonal struts can be folded and attached for easy transport.

Another change in the design specifications of the standard concerns the maximum distances between individual platforms. From now on, platforms may only have a maximum distance of 2.25 m. This change (previously the distance was fixed at a maximum of 4.00 m) will require more platforms and railings. KRAUSE also reduces the maximum distance between platforms prescribed by the standard to 2.00 m. This will allow to make the design of the scaffolds even more comfortable and safe. The lowest platform may be mounted at a maximum height of 3.40 m. In addition, the standard creates new structural requirements for mobile scaffolds.

Scope of the standard

In addition to the changes regarding design and structural characteristics of mobile scaffolds, the new standard also changes the scope of its validity. Previously, the standard only applied from a standing height of 2.50 m. From now on, the standard applies to all products in this category, that means, also for standing heights of less than 2.50 m. This requires changes in the structural calculations and also for ballast specifications.

STABILO® Professional

KRAUSE-solution...

... offers users maximum comfort, as product innovations are adapted to any changes in standards; plus maximum user safety for general duty and frequent use of ambitious tradesmen and DIY use.

NEW!

New innovative GuardMatic System allows safe and **45%** faster assembly, since less parts are required for assembly.

NEW!

2 m of platform clearance for comfortable mounting and dismantling. Further platforms can be mounted without the need for auxiliary planks. Tools and work equipment can easily be placed from the lower level to the higher level.

NEW!

Stable construction, meets static and wind load requirements according to DIN EN 1004-1.

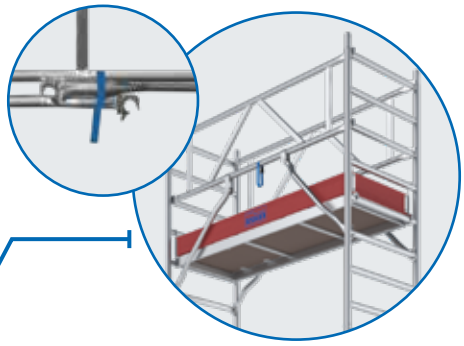
Compare old and new, now!
Comparison of scaffolds according to the previous standard and the new standard DIN EN 1004

The **new** mobile scaffold system:

The benefits ...

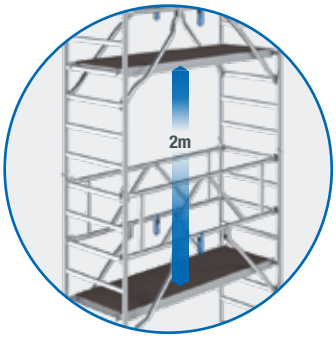
... at a glance

45% **Faster assembly!**
Assemby times are approx. **45%** faster than with the old system

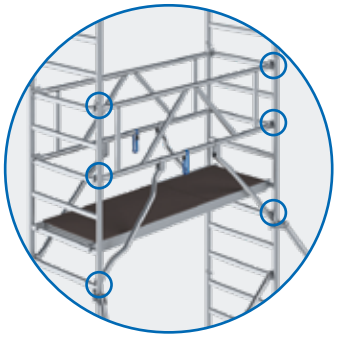


The innovative railing frames ensure simple and faster installation, since the diagonal struts are fully integrated and can be attached for compact transport and storage.

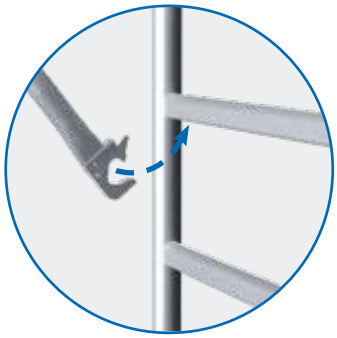
A full railing is always available when you step through a platform.



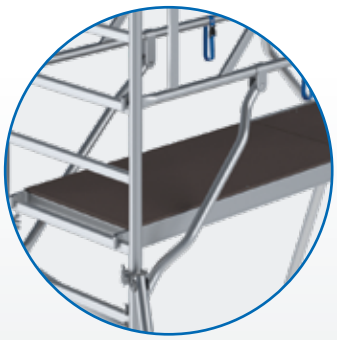
The number of platforms increases with the working height. Therefore, a maximum distance of 2 m is ensured.



The 6-point fixing system ensures maximum stability at any height.



The unique self-locking KRAUSE locking system with a positive connection enables easy, fast and safe mounting and dismantling.



The innovative shape of the diagonal struts offers one of the widest useful platform sizes available on the market.

Infinitely telescopic swivel feet on the outriggers (up to 230 mm) ensure safe support on any surface and stability at great heights.

45% **Faster assembly!**
Assemby times are approx. **45%** faster than with the old system

STABILO® Professional Series 500

Professional aluminium mobile scaffold with lightweight aluminium telescopic stabilizer.

+ TÜV-approved, suitable for a load of 200 kg/m² (scaffold class 3) in accordance with DIN EN 1004-1
+ Universal aluminium mobile scaffold for working at working heights up to 14.50 m (with scaffold field length 2.00 m up to 12.50 m)
+ The safe construction is ensured due to the fixation of the rail frame GuardMatic-System before the next higher platform will be assembled. When climbing through the next platform a complete railing and therefore a fall protection is available
+ The integration of the diagonal braces into the GuardMatic-System guarantees an easy and safe assembly. For transport or storage the rail frame GuardMatic-System can be folded space-saving
+ The 6-point fixation of the GuardMatic-System provides a maximum of safety in the height. The unique KRAUSE self-locking system with a form-fit connection enables an easy, quick and safe erection and dismantling
+ The innovative structure of the diagonal braces ensures maximum floor space on the platform and disturbs in no way
+ Maximum platform distance of 2 m for comfortable and safe erection without tools
+ The scaffold can be steplessly positioned on the stabiliser
+ Height-adjustable castors (Ø 200 mm) with integrated spindle thread enable the use on uneven ground (stepless adjustment range: 300 - 580 mm)
+ Starting with a working height of 7.50 m the easy-to-fit outriggers with stepless telescopic swivel feet (adjustment range up to 230 mm) provide bracing on each ground and stability for large heights
+ Field lengths: 2.00 m und 2.50 m
+ Scaffold field width: 0.75 m

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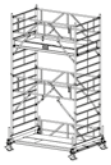
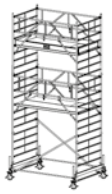
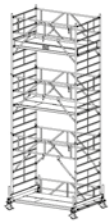
Working height: 4.50 m
Platform height: 2.50 m
Scaffold height: 3.60 m



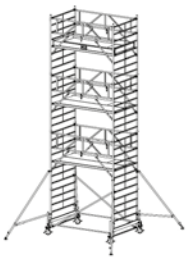
Working height: 5.50 m
Platform height: 3.50 m
Scaffold height: 4.60 m



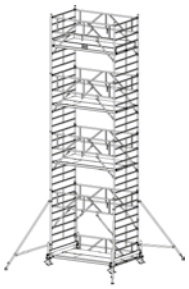
Working height: 6.50 m
Platform height: 4.50 m
Scaffold height: 5.60 m



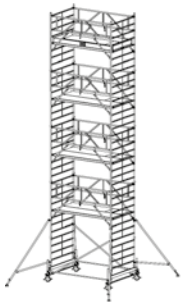
Working height: 7.50 m
Platform height: 5.50 m
Scaffold height: 6.60 m



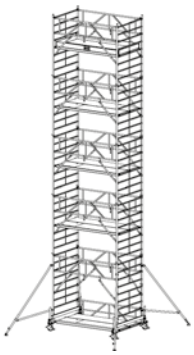
Working height: 8.50 m
Platform height: 6.50 m
Scaffold height: 7.60 m



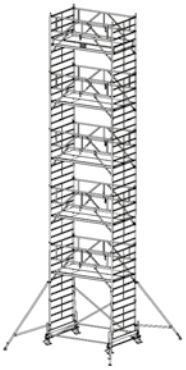
Working height: 9.50 m
Platform height: 7.50 m
Scaffold height: 8.60 m



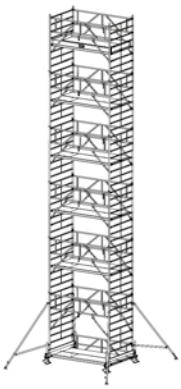
Working height: 10.50 m
Platform height: 8.50 m
Scaffold height: 9.60 m



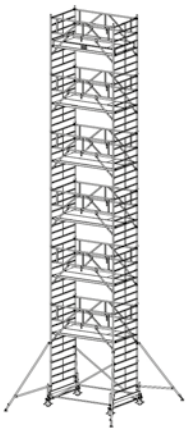
Working height: 11.50 m
Platform height: 9.50 m
Scaffold height: 10.60 m



Working height: 12.50 m
Platform height: 10.50 m
Scaffold height: 11.60 m

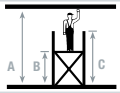


Working height: 13.50 m
Platform height: 11.50 m
Scaffold height: 12.60 m



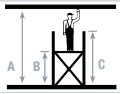
Working height: 14.50 m
Platform height: 12.50 m
Scaffold height: 13.60 m

Field length of scaffold: 2.00 m – Field width of scaffold: 1.50 m



A up to approx.	m	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50
B approx.	m	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50
C approx.	m	3.60	4.60	5.60	6.60	7.60	8.60	9.60	10.60	11.60
Floor area	m	2.20 x 2.10	2.20 x 2.10	2.20 x 2.10	2.20 x 2.10	3.80 x 4.55	3.80 x 4.55	3.80 x 4.55	3.80 x 4.55	3.80 x 4.55
Weight	kg	155.0	208.0	219.0	272.0	309.0	362.0	373.0	426.0	438.0
Art.-No.		**783011**	**783028**	**783035**	**783042**	**783059**	**783066**	**783073**	**783080**	**783097**

Field length of scaffold: 2.50 m – Field width of scaffold: 1.50 m



A up to approx.	m	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50	13.50	14.50
B approx.	m	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50
C approx.	m	3.60	4.60	5.60	6.60	7.60	8.60	9.60	10.60	11.60	12.60	13.60
Floor area	m	2.70 x 2.10	2.70 x 2.10	2.70 x 2.10	2.70 x 2.10	4.30 x 4.55	4.30 x 4.55	4.30 x 4.55	4.30 x 4.55	4.30 x 4.55	4.30 x 4.55	4.30 x 4.55
Weight	kg	170.0	229.0	242.0	301.0	340.0	399.0	412.0	471.0	484.0	544.0	556.0
Art.-No.		**784018**	**784025**	**784032**	**784049**	**784056**	**784063**	**784070**	**784087**	**784094**	**784100**	**784117**

											Only for scaffolds with a field length of scaffold 2.50 m	
Working height m	**Field length of scaffold 2.00 m**	**Field length of scaffold 2.50 m**	**4.50 m**	**5.50 m**	**6.50 m**	**7.50 m**	**8.50 m**	**9.50 m**	**10.50 m**	**11.50 m**	**12.50 m**	**13.50 m**	**14.50 m**
Platform height m			**2.50 m**	**3.50 m**	**4.50 m**	**5.50 m**	**6.50 m**	**7.50 m**	**8.50 m**	**9.50 m**	**10.50 m**	**11.50 m**	**12.50 m**
Scaffold height m			**3.60 m**	**4.60 m**	**5.60 m**	**6.60 m**	**7.60 m**	**8.60 m**	**9.60 m**	**10.60 m**	**11.60 m**	**12.60 m**	**13.60 m**
Parts list	**Art.-No.**	**Art.-No.**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**	**Quantity**
Vertical frame 2 m	**705181**	**705181**	2	3	4	5	6	7	8	9	10	11	12
Vertical frame 1 m	**705198**	**705198**	2	2	2	2	2	2	2	2	2	2	2
Platform with hatch	**701213**	**701220**	1	2	2	3	3	4	4	5	5	6	6
Platform without hatch	**701251**	**701268**	1	2	2	3	3	4	4	5	5	6	6
Diagonal brace	**702852**	**702845**	2	0	2	0	2	0	2	0	2	0	2
Railing frame	**702517**	**702500**	0	1	0	1	0	1	0	1	0	1	0
GuardMatic-System	**702579**	**702586**	2	4	4	6	6	8	8	10	10	12	12
Base brace	**704085**	**704078**	2	2	2	2	2	2	2	2	2	2	2
Telescopic stabiliser	**704214**	**704214**	2	2	2	2	2	2	2	2	2	2	2
Outrigger	**702760**	**702760**	0	0	0	0	4	4	4	4	4	4	4
Transversal board	**703750**	**703750**	2	2	2	2	2	2	2	2	2	2	2
Longitudinal board	**703712**	**703729**	2	2	2	2	2	2	2	2	2	2	2
Set of castors Ø 200 mm, height-adjustable	**704108**	**704108**	4	4	4	4	4	4	4	4	4	4	4
Gravity pin	**704405**	**704405**	8	10	12	14	16	18	20	22	24	26	28

Accessories

Set of stabilisers 1.2 m	Set of stabilisers 1.5 m	Ballast weight	VR Compensation sleeve for vertical frame	Climbing aid	TeleBoard 200
Weight 6.9 kg	Weight 8.4 kg	Weight 10.0 kg	Weight 3.0 kg	Weight 10.0 kg	Weight 11.4 kg
Art.-No. 910059	**Art.-No. 910066**	**Art.-No. 704306**	**Art.-No. 704160**	**Art.-No. 703972**	**Art.-No. 123718**