

- 1. Assign a location for the equipment considering the space requirements (impact area).
- Excavate soil for foundations, according to drawing. Please note: To achieve maximum stability and a safe installation, a moderate level of soil solubility is required.
- 3. Pour in a drain layer of gravel of approx. 10 cm thickness between the bottom of the tubular pedestals and plain base of foundation.
- 4. Insert reinforcing steel into the corresponding holes of the tubular pedestals.
- 5. Place posts type A (see foundation layout) according to the corresponding number into the respective foundation hole. Play level mark (=aluminium blind rivet) complies with the installation depth. Align every post by means of the play level mark facing into the same direction (see detail or foundation layout).
- 6. For installation of the pre-assembled components and/or single parts, the screws slightly have to be lubricated with installation paste! Tighten all screws <u>after having aligned</u> all components. <u>Screw connections see details in attached list of screw connections.</u> We recommend not to insert the protection caps enclosed before first maintenance as they are only suitable for one-time use (see description in item No. 9).
- 7. Grout foundations with compressed concrete C20/25, chamfer and round off the edges, cover the foundations with a surface which meets the requirements for impact attenuation so that the critical fall height of the surfacing shall be equal to, or greater than, the free height of fall of the equipment (acc. to EN 1176-1).
- 8. Release for play after concrete foundations have set.
- 9. Check all screw connections acc. to maintenance instructions after 4–5 weeks and retighten, if necessary. Afterwards, cover the screw heads with protection caps by placing them onto the base part. Strongly pound them (e.g. by using a plastic mallet) until they audibly snap into the base part groove.

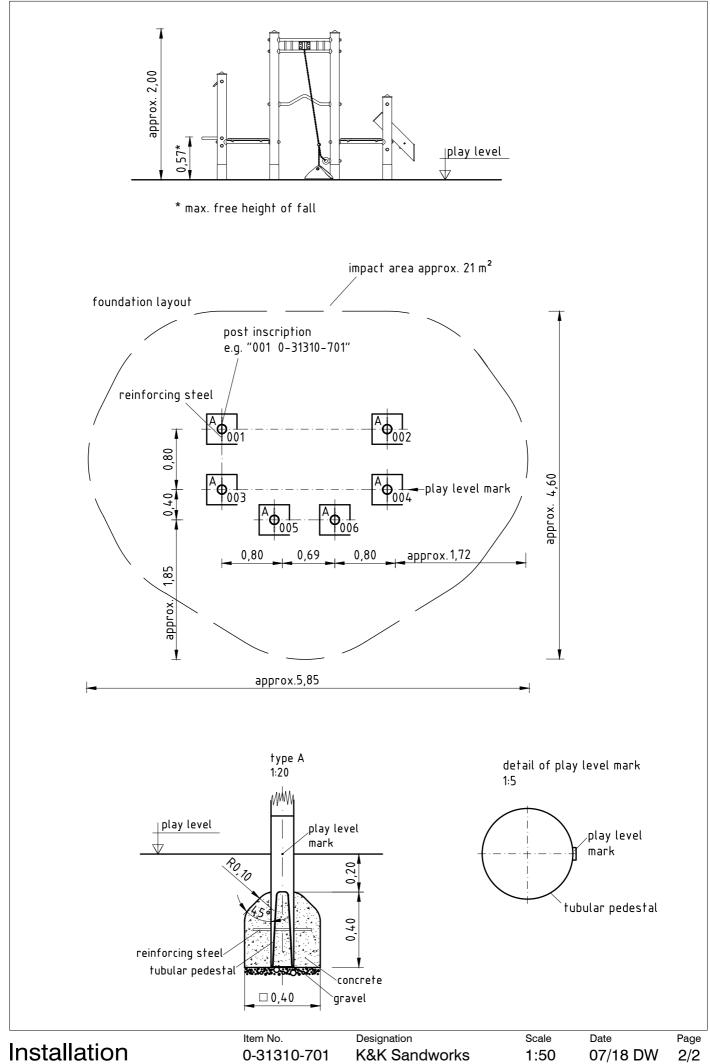
Please ensure that all special tools supplied (e.g. Allen key for secured Allen screws etc.) and all specific documents which are or may be useful for safety management acc. to EN 1176-7 (e.g. invoice, delivery note, order acknowledgement, installation instructions, maintenance instructions) are forwarded to the persons responsible.

Necessarily insert all attachment parts before tightening the screws. It is NOT possible to insert them afterwards.

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Installation

Item No. 0-31310-701 Designation K&K Sandworks Scale **1:50** 



## List of screw connections

Kaiser & Kühne Frei	zeitgeräte				LISE OF SCIEW CONNECTIONS Page 1 /				
Item: 031310701			Order:		1293351				
K&K Sand v Location:	vorks Building Proje	ect:							
20 x SFRS1210001		rd bolting of barriers, handrails, slides							
		per SC	Total	K&K-Item	Marking				
		1 x	20 x	3300054	red protective screw cap - lower part, domed M12				
		1 x	20 x	3300055	red protective screw cap - upper part, domed M12				
$\square$		1 x	20 x	3430025	Washer Ø 13 DIN125 A2				
		1 x	20 x	3400702	Hexagon head cap screw M12 x 160 DIN931 A2 with screw security coating FGB red				
1 x SFRS1260003	Fastening of chain of sand	pulley to	<b>p post</b>		Marking				
A Constant		1 x	1 x	3430025	Washer Ø 13 DIN125 A2				
		1 x	1 x	3300055	red protective screw cap - upper part, domed M12				
		1 x	1 x	3400702	Hexagon head cap screw M12 x 160 DIN931 A2				
	0 0	1 x	1 x	3300054	with screw security coating FGB red red protective screw cap - lower part, domed M12				
		1 x	1 x	1040731	weld piece/post attachment/twist protection				
1 x SFWZ0000001	Security TORX wrench TR4	0 per SC	Total	K&K-Item	Marking				
		1 x	1 x	3490081	Security TORX wrench TR40				
6 x SFES1270007	Reinforcing steel for tubula	r pedest	tals						
		per SC	Total	K&K-Item	Marking				
	-	1 x	6 x	2130000	Reinforcing steel Ø 10 x 310 DIN 488				

Kaiser	& Kühne Freize	itgeräte	List of screw connections Page 2 / 2					
Item: 031310701 K&K Sand works		(	Order:			1293351	I	
Location: Bu			g Project:					
1 x SFW	/Z0000013 L	ubricating metal, twi	n bag (2 x 4 g)	)				
	Hier abreißen	Hier abreißen	per SC	Total	K&K-Item	Marking		
	GLEITMETALL 130° bis +1.400° C 180° bis +1.400° C		2 x	2 x	5300024	Metaflux fitting lubricant 2x4 g		
	LUBRICATING METAL -180° up to +1.400° C	LUBRICATING METAL 9120° up to +1,400° C						
	LUBRIFIANT METALLIQUE -180° à +1.400° C	LUBRIFIANT METALLIQU -180° a + 1.400° C						
	ArtNr. 70-8508	ArtNr. 70-0008						