

[illegible]

This technical drawing illustrates a crane mechanism. The main view shows a crane arm (labeled 'U') pivoted at its base, supported by a complex system of cables and pulleys. A counterweight (labeled 'T') is attached to the end of the arm. A detailed inset in the upper right corner provides a close-up of the pulley system, showing the arrangement of cables and the pulley itself. The drawing is a line drawing with various labels and dimensions.

Pin A in operating position during the crane operation

- Lower F-pivot section
- Reeve out assembly winch rope and pin the rope pulley retainer back on the FA-frame
- Pin A remains in operating position during the crane operation (see Detail U)
- Install F-end section and F-intermediate sections if necessary
- Pin F-guy ropes with guy ropes of the F-intermediate sections and on the F-end section
- Connect rope line from flap (on F-pivot section) to manual rope winch on F-end section (see Detail T)
- Pull flap down with the aid of the manual rope winch

Connect auxiliary ropes
between flap and manual rope winch
with shackles

M 1:100

- Lift main boom
- Notice:
 - Immediately after the F-jib lifts off the ground, the flap must be moved to the 'up' position (By spooling out the rope on the manual rope winch)
- Then remove the crank from the auxiliary winch
- Reeve in hook block

Technical drawing of a mechanical assembly, likely a valve or actuator. It shows a cross-section of a cylindrical body with internal components. A label 'Push up' points to a lever or handle mechanism. Another label '1' points to a specific part of the assembly, possibly a seal or a connection point.

Flap up

P
1:25

The following prerequisites apply to the SL-reducer (assembly variant 1 and 2):

- Pulley retainer must be folded down
- Platforms must be pinned in park position

Pulley retainer
folded down

Platforms in
park position


This type of assembly is only permissible for the 12m long jib (F-pivot section with F-end section)! During assembly, no hook block may be suspended on the F-jib!

- Install the F-assembly unit with pinned F-end section to the F-connector head. The F-guy ropes must be installed and pinned!
- Release pin A and insert and secure it in park position (see Detail R)
- Disconnect FA-frame relapse retainer (see page 1, Detail X)
- Lower F-jib until it is resting on the ground
- Hang up the fastening ropes of the auxiliary crane only on bollards on the end of the F-end section
- Pin the FAB-guy ropes to lugs of the FA-frame swing arm, take down free ends from the boom at the side
- Pull flap on the F-pivot section down with the aid of the manual rope winch (see Detail W, page 1)

Auxiliary ropes must be connected (see Detail T)

The diagram illustrates the cable car's movement between two states. In the 'Transport position' (top), the cable car is at the top of the cable, with its wheels resting on the upper cable. In the 'Park position' (bottom), the cable car has moved down the cable, and its wheels are now resting on the lower cable. The diagram shows the cable car's wheels and the cable's path between the two positions.

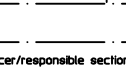
Park position



- Pull the F-jib up with an auxiliary crane until the angle between the FA-frame and the main boom is at least 40°
- Connect the fastening rope of the FA-frame with the hoist rope, use pad lock for the hoist winch
- Spool up hoist rope until the FA-frame is held in its position
- Lower the F-jib into the horizontal position

Page 2 by 4

$$U(m)=$$
$$F(m_2) =$$

Werkstoff/Material/Matériau	Fertiggewicht/Weight/Poids kg	Toleranz Tolerance Hechtbohrung Rechnung usage technique	ISO 8015	Weitere Anforderungen siehe Teilzeichnung autres specifications c. voir nomenclature
Dokumentation Distribution Documentation	Bearbeitung/Finish/Usinage	Schweißkonstruktion welded structure Constructions soudées	ISO 2768-mk	For the realization of the engineering drawings pour la réalisation des plans techniques
		Brennschnitt thermal cutting coupage thermique	ISO 13920 BF	For the delivery of all items for metal documents Pour la livraison de tous les documents métalliques
			ISO 9013-4.42	The documents of fabrication plans à réaliser réalisation du objet de fabrication
Projektion E 	Datum Date/Début 2016/07/19	Name Nom/Abs. IWEREM	AO	LIEBHERR LIEBHERR-WERK EHINGEN GMBH
generalverantwortlich responsable général	verantwortlicher/Endabnehmer responsible customer client responsable final	Brandschutzbeauftragter nach DIN 18232 responsable incendie selon norme DIN 18232		
Masstab Scale Echelle 1:50	Bezeichnung/Description/Dénomination ASSEMBLY DRAWING F-IJBFB3		Zeichnungs-Nr./Drawing No./N°de dessin 1666-720.00.00.019- 000	Ident N°/Ident No/N°du "Ident" 98029514

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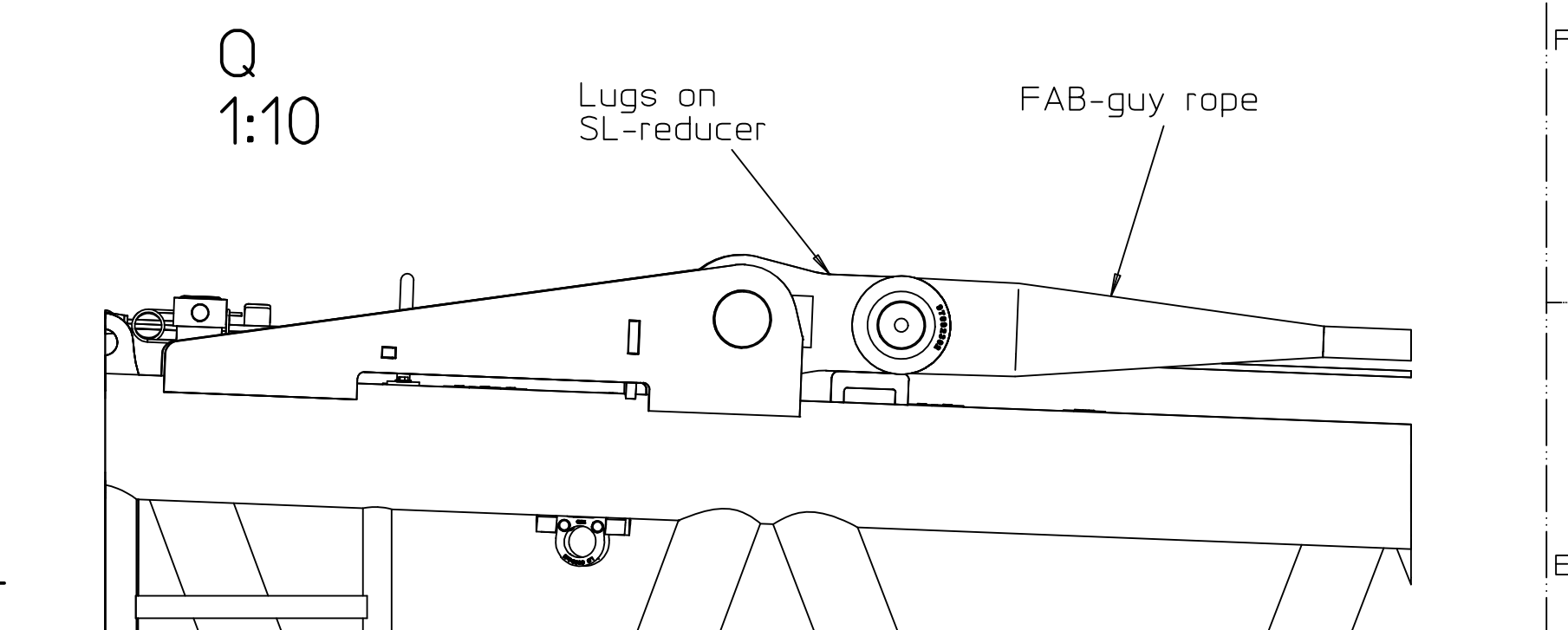
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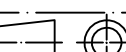
- Pull the
If the
the cra
lower th
(main b
- Lower t
or F-jib
- Unhook

- the FA-frame up to maximum 80° to the horizontal.
hoist rope touches against
the cross connection of the auxiliary guying here,
the main guying and unhook the cross connection
boom must be placed down on a substructure or the ground)
F-jib until F-guy ropes are tensioned
is resting on the ground
fastening ropes of the auxiliary crane

- Q
1:10
- Lugs on SL-reducer
- FAB-guy rope
-



- Spool out hoist rope
- Remove pad lock
- Fasten free end of the fastening rope with screw carbine and round sling on the rod holder on the FA-frame
- Insert pin A in operating position
(see Detail W, page 1)
- Pin FA-frame relapse retainer
(see Detail V, page 1)
- Tighten turnbuckle until relapse retainer is tensioned.
The FA-frame is to be pulled into operating position for this:
 - with the aid of the auxiliary rope as described in assembly variant 1, assembly step 4
 - or by lifting the main boom; use a lifting platform to tension the relapse retainer
- After tightening the turnbuckle, secure it with a rotation lock
- Additional procedure: see page 1,
assembly step 6 (move flap to 'up' position!)

Page 3		by	4	U(m)=	F(m)=	
Werkstoff/Material/Matériau	Fertigsgewicht/Weight/Poids	kg		Härteprüfung Tensile test Résistance	ISO 8015	Weitere Anforderungen siehe Testanweisung further specifications see test instruction
Dokumentation Distribution Documentation	Bearbeitung/Finish/Usinage	Nachbearbeitung nachrangig usinage mécanique		ISO 2768-ik		
		Schweißnahtanordnungen valid structural constructive solutions Brauereianlagen thermal cooling coolage thermique		ISO 13920 BF	Für die Herstellung der Liefergegenstände gelten die Lieferregeln/Lieferungen for the delivery of all items the latest conditions apply Les documents de livraison relatifs à l'objet de livraison	
Projektion: E 	Datum Date/Date 2016/07/19	Name Nachname Iwerem1		ISO 9013-442		
gezeichnet/zeichnet gezeichnet/zeichnet Ausfertigungszeichnung/Document d'approbation valid Ausführung/Execution Ausführung/Execution		A0		LEIBHERR LEIBHERR-WERK EHINGEN GMBH		
Maßstabs Echelle 1:50	Bezeichnung/Description/Dénomination ASSEMBLY DRAWING F-JIBF3			Zeichnung Nr./Drawing No./Désign 1666-720.000.0019- 000 Ident Nr./Ident No./N°Ident 98029514		

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Flying assembly

If necessary, the F12-jib (F-pivot section with F-end section) can be assembled in flying mode, i.e., it can remain hanging freely after mounting on the F-connector head.

Pin A between the F-pivot section and F-relapse support must remain inserted (transport position) for this.

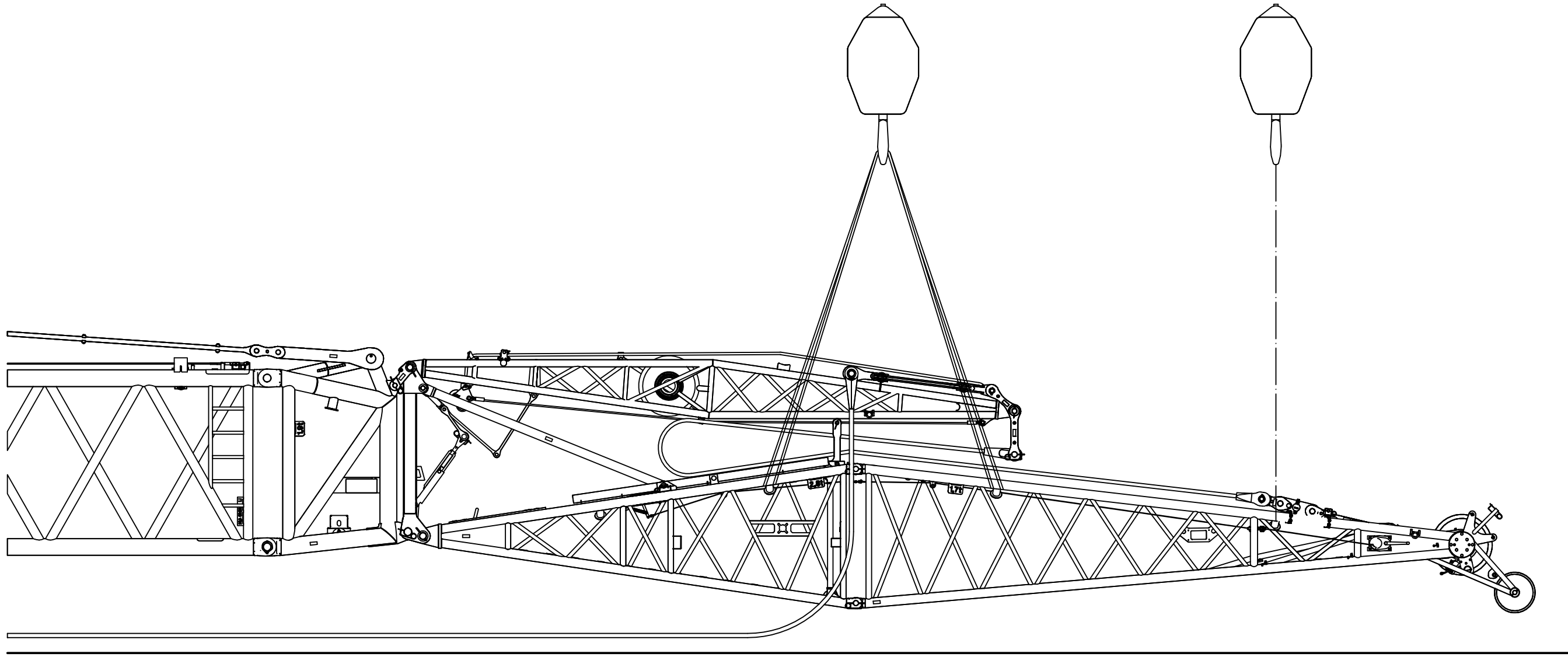
No hook block may be attached!

If the assembly variant 1 is used, pin A must remain inserted in the transport position (contrary to the description in assembly step 1, page 1) until the end of the F-assembly!

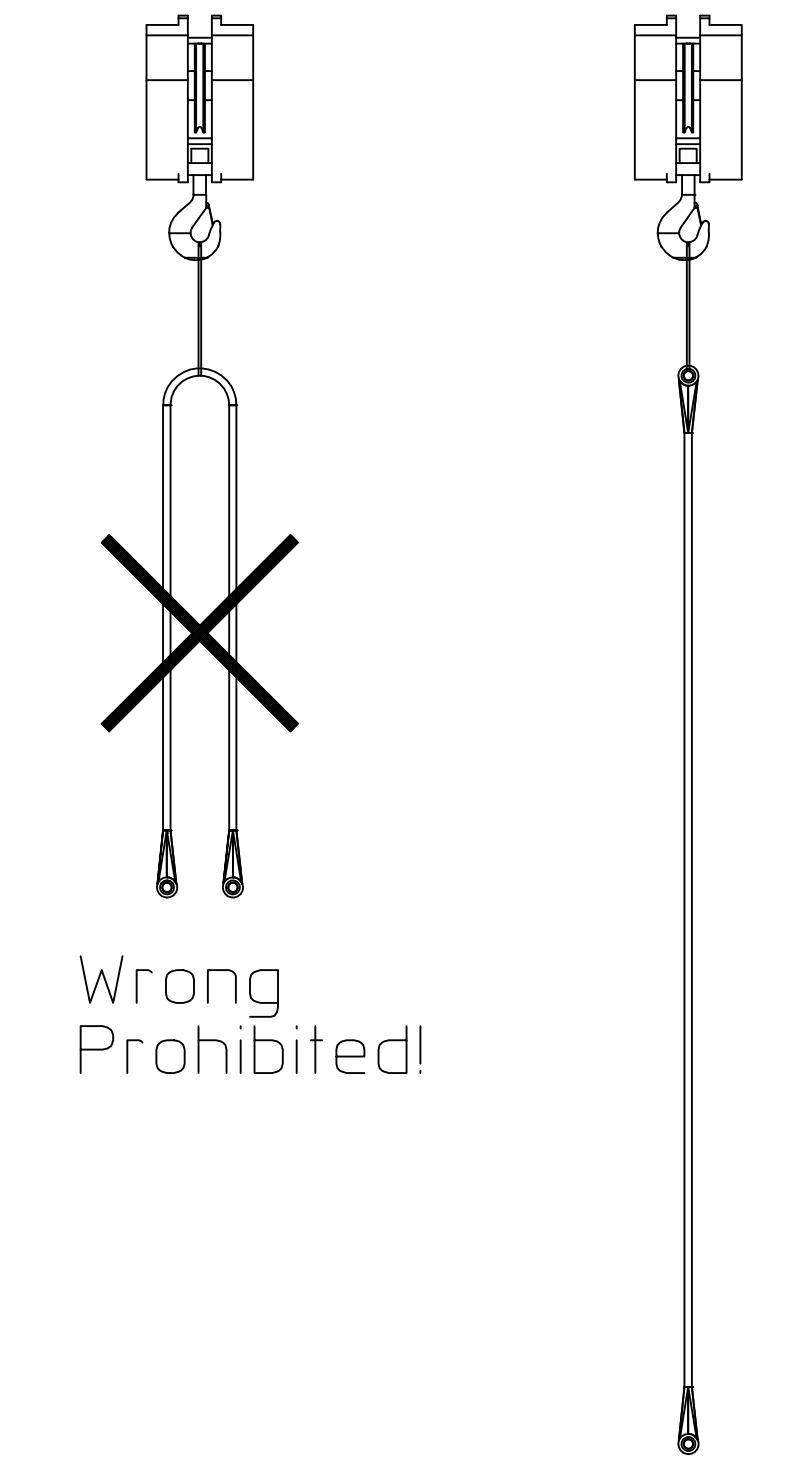
The pin may only be pulled after

- The FAB-guy ropes have been installed and pinned
- The FA-frame relapse retainer has been closed
- The F-guy ropes have been installed and pinned

If assembly variant 2 is used, the attachment to the auxiliary crane must be changed (after the F-jib has been pinned to the F-connector head). The attachment then occurs to the lugs of the F-end section.



Attaching the fiber guy ropes



Wrong Prohibited!

Correct

Notice:

During the disassembly of the fixed jib, it must be ensured that the ropes of the F-guying are not trapped during the lowering of the FA-frame!

Page 4 by 4 U(m)= F(m2)=

Werkstoff/Material/Matière	Fertigsgewicht/Weight/Poids kg	Tolerierung Tolerance tolérance ISO 8015	Weitere Anforderungen siehe Teileskizze further specifications see parts master record autres spécifications ct. nomenclature
Dokumentation Distribution Documentation	Bearbeitung/Finish/Usinage	Rechtbearbeitung rechteng usage technique ISO 2768-mk	
		Schweißkonstruktionen welded structure Constructions soudées ISO 13920 BF	Für die Herstellung der Liefergegenstände geline de réaliser l'ouvrage For the delivery of all items the master documents apply
		Brannschneiden thermal cutting coupage thermique ISO 9013-442	Les documents de fabrication appliqués à l'ouvrage s'y trouvent référénces de l'ouvrage de livraison
Projektion E E E	Datum Date/Date 20.06/07.19	Name Name/Non IWEREM1	
Material Scale Echelle 1:50	Bezeichnung/Description/Dénomination ASSEMBLY DRAWING F-JIBF3	AO	LIEBHERR LIEBHERR-WERK EHINGEN GMBH
			Zeichnungs-Nr./Drawing No./N°de dessin 1666-720.00.00.019- 000
			Ident. Nr./Ident. No./N°d'ident. 98029514

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