

Operating instructions for S-hook (TFH / TFH-S) for the direct use in the crane hook

General principles regarding the utilisation of lifting accessories and their components:

The operating instructions are to be stored together with the certificate and the EC declaration of conformity.

The falling of loads, caused by the failure and / or incorrect utilisation and handling of lifting equipment or its individual parts constitutes a direct risk to the life or health of the people who are present in the danger zone of lifting processes.

These operating instructions contain information with regard to the safe utilisation and handling of the lifting accessories and their components. Before using the lifting equipment, the assigned persons are to be briefed with regard to handling and utilisation by a qualified person.

The following principles apply:

- The Working Load Limit (WLL) (see label) of the lifting equipment must correspond to the load. The lifting equipment may not be used if the label is missing or is illegible.
- No danger areas (e.g. crushing points, cutting points, trapping or impact points) may occur that may hinder or endanger the person carrying out the slinging process and / or the transport.
- The base material and the constructive design of the load must be able to hold the applied forces without deformation.
- Stress that leads to a non-uniform load distribution, e.g. which is caused as a result of an off-centre introduction of force must be taken into account when selecting the lifting accessories and their components.
- In the event that extreme stress or strong dynamic strain (shock influences) may occur, this must be taken into account when selecting the lifting equipment and the working Load Limit (WLL).
- The lifting equipment may not be used for the transportation of persons. No persons are ever permitted to remain present in the danger area of a suspended load.
- The lifting equipment may not come into contact with acids and other aggressive agents. Attention must also be paid to the fact that acid fumes may occur in certain production processes.
- Never make unauthorised amendments to the lifting equipment (e.g. grinding, welding, bending, and attachment of parts)!
- The lifting equipment may not be exposed to any forbidden manipulation of temperature.
- It is not allowed to use the S-hook when transporting hazardous substances.
- Lifting accessories and their components must be stored in such a manner that they are protected against being damaged and do not cause any danger.
- If damaged, the lifting equipment must be immediately taken out of circulation and must undergo maintenance work.
- When ready to be discarded, lifting accessories and their components are to be correctly disposed of. Attention: Any substances present that are hazardous to the environment (e.g. greases and oils) are to be disposed of separately.

Inspection and maintenance:

On a regular basis before being used, lifting equipment is to be closely inspected with regard to correct utilisation and faultless condition (e.g. absence of strong corrosion and deformation, etc.), for example by the person carrying out the slinging process. Defective lifting equipment may not be used. It has to be tested at least once a year by a qualified person whilst taking the relevant standards and trade association regulations (e.g. DGUV Regel 100-500) into account. Every three years lifting equipment must be tested by a qualified person using a proper testing device in order to check that the product is free of cracks. The re-testing period is shortened in the event that the products are exposed to critical operating conditions. Inspection records are to be kept.

The user must observe the results of the risk assessment in accordance with the occupational safety directives.

The testing coefficient (EC-Machinery Directive 2006/42/EC point 4.4.1) is defined according to the respective standards and corresponds to 2.5.

Attention: In the event of violation, the operating permission will become void.

The S-hook is to be used so that the load is applied parallel to the centre line of the hook. Unstable position and bending forces on the S-hook must be avoided.

S-hook is considered as a machine in the sense of EC-Machinery Directive 2006/42/EC only when it is used directly between the crane hook and the load. In principle the risk assessment in accordance with the occupational safety directives must be performed. Here it must be considered that the hook typ TFH does not possess a safety latch. The S-hook typ TFH can only be used, when the hook with the safety latch (e.g. TFH-S) cannot be employed due to certain circumstances.

Before use the lifting equipment must be checked for following points:

- The lifting equipment must be approved for the required working load limit and type of application.
- S-hooks can be neither bent nor have impermissible wear (acc. DGUV Regel 100-500)
max. allowed wear: increase of the hook aperture + 10%; diameter max.- 10%; the hook safety latch of TFH-S may not be released.
- S-hook cannot be repaired, the bending is not allowed.
- The surface must not contain cracks, cuts and other damage marks, which can endanger the use.

In no case the lifting equipment may be used for lifting purposes if one of the points is not fulfilled.

General assembly instructions:

- The used S-hook must be suitable to the size of the crane hook and hoing fixture of the load.
- S-hooks are designed only for the perpendicular, free hanging loading.
- S-hooks can be only loaded in the hook base.
- According to the construction by the use of S-hooks without safety latch (THF) the oscillating motion of the load as well as the vibration of hook must be absolutely avoided.
- Unstable positioning and diagonal pull are not allowed.
- S-hooks cannot be bent.
- The load is to be picked up and transported carefully.
- By setting down the load one must pay attention to the fact that the load does not slide off the hook ahead of time and knocks over.
- After setting down the load the hook must be removed in order to assure that the load will not be picked up unintentionally and will not be unstable.

Temperature use

In each individual case special attention has to be paid to the maximum temperature which the components for slings are exposed to. The influence of higher temperatures on the working load limit (WLL) of various grades of lifting equipment is stated in Table 1. After cooling down to a temperature beneath 200°C, one can again work with working load limit (WLL) of 100 %.

Table 1

Temperature range in °C	WLL grade 8 in %
minus 40°C – plus 200°C	100
plus 200°C – plus 300°C	90
plus 300°C – plus 400°C	75

Notice: lifting equipment may not be used at temperatures above 400°C.



Translation of the original operating instructions
In case of doubts or misunderstanding, the German version of the document is decisive.



Conformity Declaration

EG-Konformitätserklärung der Fa. JDT



EG-Konformitätserklärung
 EC Conformity Declaration
 Déclaration de conformité CE
 EG-Conformitätsverklärung
 Declaración de conformidad CEE
 Dichiarazione di conformità CE
 EY-yhdenmukaisuustodistus
 EF-Överensstemmelseerklaring
 EG-Konformitätsförläring
 Deklaracja zgodności WE

Im Sinne der EG Richtlinie Maschinen 2006/42 EG und weiter ergänzender Richtlinien.
 As defined by the EC Guideline Machines 2006/42 EC and other complementary guidelines.
 Dans le sens des directives CE Machines 2006/42 CE et des directives complémentaires.
 Overeenkomstig de EG-richtlijn Machines 2006/42 EG en verdere aanvullende richtlijnen.
 Conforme a la Directiva CE de Máquinas 2006/42 CE y otras Directivas suplementarias.
 Al sensi della direttiva CE sulle macchine 2006/42 CE e altre direttive integrative.
 Koneista annetun EY-direktiivin 2006/42 EY ja muiden lisädirektiivien tarkoituksessa mielestä.
 I överensstemmelse med EF-retningslinje maskiner 2006/42 EF og videre supplerende retningslinjer.
 I enlighet med EG:s Maskindirektiv 2006/42 EG samt vidare kompletterande direktiv.
 W rozumieniu dyrektywy maszynowej WE 2006/42/WE oraz uzupełniających dyrektyw.

Der Unterzeichnende, bevollmächtigt von der
 The undersigned, empowered by
 Le soussigné, mandataire de
 De ondergetekende, gemachtigde van de firma
 El suscrito, autorizado por la
 Il sottoscritto, delegato dalla
 Allekirjoittanut, yhtiön
 Den undertegnede, bemyndiget af
 Forklarar undertecknad, bemyndigad av
 Nizej podpisany, upowazniony przez

J.D. Theile GmbH & Co. KG, Postfach 18 29, D-58213 Schwerte

erklärt, dass das (die) umsetzbar bezeichnete(n) Anschlagmittel in der von uns in Verkehr gebrachten Ausführung bei bestimmungsgemäßer Benutzung mit den grundlegenden Sicherheits- und Gesundheitsanforderungen übereinstimmen.
 declares that sling gear, listed overleaf, conform in its marketed design with the requisite basic safety and health requirement, provided they are used in accordance with their intended purpose.
 déclare que le matériel de levage décrit au verso et employé conformément aux prescriptions, dans l'exécution mise en circulation par nos soins, est conforme aux exigences fondamentales de sécurité et de santé.
 verklaart dat de op de achterzijde aangegeven aanslagmiddelen in de door ons in het verkeer gebrachte uitvoering bij doelmattig gebruik met de principiële eisen omtrent veiligheid en gezondheid overeenstemmen.
 declara que el/los dispositivo(s) de suspensión mencionado(s) al dorso en la forma lanzada al mercado concuerdan con los requerimientos básicos impuestos a la seguridad y a la salud bajo la condición de una aplicación de acuerdo con los fines previstos.
 dichiara che il(i) dispositivo(i) di arresto definito(i) a tergo, nel modello da noi distribuito, se usato(i) nel modo dovuto risponde (rispondono) ai requisiti basilari di sicurezza e sanitari.
 vakuuttaa, että kääntöpuolella mainittu(t) kiinnitysväline(et) myyntiin tuomassamme muodossa ja sitä(n)it(ä) asianmukaisesti käytetty(n)ä ovat perustavaintuotusten turvallisuus- ja terveysvaatimusten kanssa yhdenmukaisia.
 erklærer, at det (de) omstændige sløjgemediel (-midler) i den udførelse, som vi har givet den ud, ved bestemmelsens benyttelse stemmer overens med de grundlæggende sikkerheds- og sundhedskrav.
 att det (de) på omständige slida uppförda anslagmediet (-medien) i det av oss sålunda utförandet vid ändamålsenlig användning överensstämmer med de grundläggande kraven beträffande säkerhet och hälsa.
 oświadcza, że wymienione na odwrocie środki mocowania w wersji wprowadzonej przez nas na rynek są zgodne z zasadniczymi wymogami dotyczącymi bezpieczeństwa i ochrony zdrowia w przypadku zastosowania zgodnego z przeznaczeniem.

EG-Richtlinien	EG Richtlinien Maschinen geändert durch	} 2006/42 EG	Harmonisierte Normen	} EN ISO 12100	EN 618-1
EC Guidelines	EC Guideline for Machines amended by		Harmonized standards		EN 618-2
Directives CE	Directives CE Machines modifiée en		Normes harmonisées		EN 618-3
EG-richtlijnen	EG-richtlijn machines gewijzigd door		Overeenkomstige normen		EN 618-4
Directivas CEE	Directiva CEE "Máquinas" modificada por		Normas armonizadas		EN 618-5
Directive CE	Directive CE sulle macchine cambiate con		Norme armonizzate		EN 618-6
EY-direktiivit	Koneista annetun EY-direktiivin muutetu direktiivillä		Harmonisoidut standardit		EN 1677-1
EF-retningslinjer	EF retningslinje maskiner forandret gennem		Harmoniserede standarder		EN 1677-2
EG-Direktiv	EG:s Maskindirektiv ändrat genom	Harmoniserade standarder	EN 1677-3		
Dyrektywy EG	Dyrektywy maszynowe EG Zmienione w drodze	Normy zharmonizowane	EN 1677-4		
				EN 1677-5	
				EN 1677-6	
				EN 13155	
				EN 13889	

Angewendete nationale Normen	} DIN 685-2	} DIN 5688-1	} DIN 5687-1	} DIN 695
Applied national standards				
Normes nationales appliquées				
Toegepaste nationale normen				
Normas nacionales aplicadas				
Norme nazionali applicate	DIN 685-3	DIN 5688-3	PAS 1061	DIN 32891
Sovelletut kansalliset standardit	DIN 685-4	DIN 5692		
Brugte nationale normer	DIN 685-5			
Nationella normer som tillämpats				
Stosowane normy krajowe				

Ralf 67
 Aberspach / Qualitätsmanager
 Unterschrift

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UKCA Declaration of Conformity

The undersigned, empowered by

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declares that sling gear, listed overleaf and marked with UKCA, conform in its marketed design with the requisite basic safety and health requirement, provided they are used in accordance with their intended purpose.

Applicable standards :

UK Guideline Supply of Machinery (Safety) regulation 2008

EN BS 818-1 – EN BS 818-7


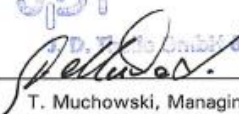
EN BS 1677-1 – EN BS 1677-6

EN BS 12100

EN BS 13155

EN BS 13889

Schwerte, 2021-11-02



J.D. Theile GmbH & Co. KG
T. Muchowski, Managing Director