

#### **QTR Qualification Test Record** NORSOK M-650

QTR. No.:

QN 500/07

Rev No .

STILL AT THE THAT		Rev. No			
Manufacturer	SCHMIEDEWERK STOOSS AG				
name/address/	CH-8908 HEDINGEN				
Web page:	www.stooss.com / E-MAIL: info@stooss.com				
Reference standard	NORSOK M-650 Ed. 4 / ISO 17782-2018 -QUALIFICATION OF MANUFACTURERS OF SPECIAL MATERIALS				
Material designation and MDS No.:	ASTM A182-F51 / UNS31803 NORSOK M-630 Ed. 7 - NORSOK MDS D44 Rev. 6				
Manufacturing summary doc. No.:	MS-QN-F51-541 Rev. No.: 6				
Products and manufacturing process(es):	Ring rolled forgings all shapes				
Mandatory conditions and sub-contractors:	Possibility to use as an alternative option outside accredited laboratory IWT, Qualitech, Vohtec (acc. ISO/IEC/17025)  Heat treatment temperature at 1040°C – 1070°C in furnace 1/95				
Other information:	MDS D44 Rev.6 § 12: white pickling not applicable at Schmiedewerk Stooss AG. Requalification based on initial qualification issued by FRAMO / STATOIL in 2012				
Qualification expires:	December 2027				

## **Tested and Qualified Thickness and Weight**

Products and manufacturing process(es):	Test record No.:	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forged and seamless rolled forgings	41869A11	200mm	200mm	687 kg	All

## **Qualification / Acceptance signatures**

Manufacturer: Schmiedewerk STOOSS AG Maienbrunnenstrasse 8 CH-8908 Hedingen

Prepared by/Date: M. Salzborn

Checked by/Date:

J. Puchinger

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (company name/address):

Signature/Date:

N-5822 Bergen

Norway

Rev. Prepared by Date		Approved by Date		Remarks	
2	06.06.2017	J.Lüthy	06.06.2017	A.Kneidinger	Adaptation of MDS D44 Rev. 5 Qualified weight (kg) New. All
3	14.12.2022	M. Salzborn	14.12.2022	J. Puchinger	Renewal of qualification



## QTR Qualification Test Record

QTR. No.: ON 500/16 Rev. No.:

STEEL AT UTS BEST	HOROGIC III GGG	3				
Manufacturer	SCHMIEDEWERK STOOSS AG					
name/address/	CH-8908 HEDINGEN	CH-8908 HEDINGEN				
Web page:	www.stooss.com / E-MAIL: info@stooss.com					
Deference standard	NORSOK M-650 Ed. 4 / ISO 17782-2018 -QU	ALIFICATION OF				
Reference standard	MANUFACTURERS OF SPECIAL MATERIAL	_S				
Material designation	ASTM A182-F51 / UNS31803					
and MDS No.:	NORSOK M-630 Ed. 7 - NORSOK MDS D44	Rev. 6				
Manufacturing	MS-QN-F51-542 Rev. N					
summary doc. No.:						
Products and manufacturing	Press and hammer forgings of all shapes forged products such as					
process(es):	flanges, shafts and bars					
Mandatory	Possibility to use as an alternative option outside accredited					
conditions and sub-	laboratory IWT, Qualitech, Vohtec (acc. ISO / IEC / 17025)					
contractors:	Heat treatment temperature at 1040°C - 1070°C in furnace 1/95					
	MDS D44 Rev.6 § 12: white pickling not appli					
Other information:	Schmiedewerk Stooss AG. Requalification based on initial					
	qualification issued by FRAMO / STATOIL in 2012					
Qualification expires:	December 2027					

## **Tested and Qualified Thickness and Weight**

Products and manufacturing process(es):	Test record No.:	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
forged / pressed	63779A11	200mm	200mm	980 kg	All
Flange, shafts and bars	63779C1A	200mm	200mm	250 kg	All

## Qualification / Acceptance signatures

Manufacturer: Schmiedewerk STOOSS AG Maienbrunnenstrasse 8 CH-8908 Hedingen

Prepared by/Date: M. Salzborn

Checked by/Date:

J. Puchinger

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (company name/address):

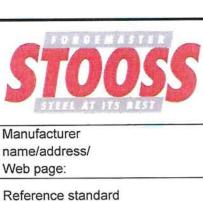
Signature/Date:

14.12.22

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PO Box 24

N-5822 Rem Approved by Date Remarks Prepared by Date Rev. Adaptation of MDS D44 Rev. 5 Test piece weight new 150kg 31.08.16 A. Kneidinger 1 31.08.16 J. Lüthy Qualified weight (kg) New. All The weight of the flange adjusted to 2 09.06.17 J. Lüthy 09.06.17 A. Kneidinger Renewal of qualification 3 14.12.22 M. Salzborn 14.12.22 J. Puchinger



# QTR Qualification Test Record NORSOK M-650

QTR. No.: QN 600/02

Rev. No.:

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Manufacturer	SCHMIEDEWERK STOOSS AG	•				
name/address/	CH-8908 HEDINGEN	CH-8908 HEDINGEN				
Web page:	www.stooss.com / E-MAIL: info@stooss.com					
Deference standard	NORSOK M-650 Ed. 4 / ISO 17782-2018 -QU	JALIFIC	ATION OF			
Reference standard	MANUFACTURERS OF SPECIAL MATERIA	LS				
Material designation	ASTM A182-F55 / UNS 32760					
and MDS No.:	NORSOK M-630 Ed. 7 - NORSOK MDS D54 Rev. 6					
Manufacturing	MS-ON-F55-641 Rev. No.: 4					
summary doc. No.:	WS-QN-F55-641	MS-QN-F55-641 Rev. No.: 4				
Products and manufacturing	Ring Rolled Forgings all Shapes					
process(es):						
Mandatory	Possibility to use as an alternative option outs					
conditions and sub-	laboratory IWT, Qualitech, Vohtec (acc. ISO /	/ IEC / 1	7025)			
contractors:	Heat treatment temperature at 1110°C – 114	0°C in f	urnace 1/95			
	MDS D54 Rev.6 § 14: white pickling not appli	icable a	it			
Other information:	Schmiedewerk STOOSS AG. Requalification based on initial					
	qualification issued by FRAMO / STATOIL in 2012					
Qualification expires:	December 2027					

## **Tested and Qualified Thickness and Weight**

Products and manufacturing process(es):	Test record No.:	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forged and seamless rolled forgings	41868A11	150mm	150mm	591 kg	All

## **Qualification / Acceptance signatures**

Manufacturer: Prepared by/Date: Checked by/Date:
Schmiedewerk STOOSS AG M. Salzborn J. Puchinger

MS.M. Salzborn J. Puchinger

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (company name/address):

Signature/Date:

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N-5822 Bergen

Rev.	Prepared by Dat	Prepared by Date Approved by Date Remarks		Remarks	
2	06.06.2017 J.	Lüthy	06.06.2017	A.Kneidinger	Adaptation of MDS D54 Rev. 5 Qualified weight (kg) New. All
3	14.12.2022 M	I. Salzborn	14.12.2022	J. Puchinger	Renewal of qualification



### **QTR** STOOSS Qualification Test Record NODSOK M-650

QTR. No.: QN 600/03 600/17 Rev No:

SHILL AT HE THE	NORSON IVI-030	3			
Manufacturer name/address/ Web page:	SCHMIEDEWERK STOOSS AG CH-8908 HEDINGEN www.stooss.com / E-MAIL: info@stooss.com				
Reference standard	NORSOK M-650 Ed. 4 / ISO 17782-2018 -QUALIFICATION OF MANUFACTURERS OF SPECIAL MATERIALS				
Material designation and MDS No.:	ASTM A182-F55 / UNS 32760 NORSOK M-630 Ed. 7 - NORSOK MDS D54 Rev. 6				
Manufacturing summary doc. No.:	MS-QN-F55-642 Rev. No.: 2				
Products and manufacturing process(es):	Press and hammer forgings of all shapes forged products such as discs, flanges, shafts and bars				
Mandatory conditions and sub-contractors:	Possibility to use as an alternative option outside accredited laboratory IWT, Qualitech, Vohtec (acc. ISO / IEC / 17025) Heat treatment temperature at 1110°C – 1140°C in furnace 1/95				
Other information:	MDS D54 Rev.6 § 14: white pickling not applicable at Schmiedewerk STOOSS AG. Requalification based on initial qualification issued by FRAMO / STATOIL in 2012				
Qualification expires:	December 2027				

## **Tested and Qualified Thickness and Weight**

Products and manufacturing process(es):	Test record No.:	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
forged / pressed	48981A11	150mm	150mm	525 kg	N/A
Forgings as disc,	48981B1A	150mm	150mm	159 kg	N/A
Flange, shafts and bars	66628C11	150mm	150mm	250 kg	N/A

### **Qualification / Acceptance signatures**

Checked by/Date: Prepared by/Date: Manufacturer: J. Puchinger Schmiedewerk STOOSS AG M. Salzborn Maienbrunnenstrasse 8 CH-8908 Hedingen

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (company name/address):

Signature/Date:

Tel. +41 (0) 43 322 62 00

Fax. +41 (0) 43 322 62 01

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Prepared by Date 1-5822 Be Approved by Date Remarks Rev. Adaptation of MDS D54 Rev. 5 06.06.2017 J.Lüthy\orway 06.06.2017 A.Kneidinger 14.12.2022 M. Salzborn 14.12.2022 J. Puchinger Renewal of qualification