



Manufacturer Qualification Statement

TÜV SÜD Certification and Testing (China) Co., Ltd.
certifies that the company

Jiangyin Nanfang Pipe Fitting Making Co., Ltd.
No. 99 Panlongshan Road, Jiangyin City 214437,
Jiangsu Province, P.R.China

has been assessed with respect to the requirements specified in
**Norsok M-650 Ed.4 on Qualification of Manufacturers of Special
Materials**

as a material manufacturer for the scope of

Wrought Fittings
with designation

ASTM A815 UNS S32750, NORSOK M-630 Ed. 6, MDS D53, Rev. 5
ASTM A815 UNS S32205, NORSOK M-630 Ed. 6, MDS D43, Rev. 5
ASTM A815 UNS S31803, NORSOK M-630 Ed. 6, MDS D43, Rev. 5
ASTM A403 UNS S31254, NORSOK M-630 Ed. 6, MDS R13, Rev. 5

The scope of qualification, application/limitation, terms and conditions is
described in the annex to this statement, further scope details are mentioned
in the QTR with No.:

NFF-QTR01 Rev. 01, NFF-QTR02 Rev. 01, NFF-QTR03 Rev. 01 and
NFF-QTR04 Rev. 01.

This statement is valid through September 2022.

In order to adhere the validity an annual surveillance audit is required.

Statement No.: NORSOK-IS-SHA-253320
Shanghai, September 6th, 2017

TÜV SÜD Certification and Testing (China) Co., Ltd.

Yang Hong

Yang Hong

3-13, No.151 Heng Tong Road, Shanghai 200070,
P.R. China





Products covered by this statement

Product description	Material Data Sheet and Grade	Tested thickness (T)	Qualified thickness	QTR No.
Wrought Fittings	NORSOK M-630 Ed. 6, MDS D53 Rev. 5, ASTM A815 UNS S32750	22 mm	27.5 mm	NFF-QTR01 Rev. 01
Wrought Fittings	NORSOK M-630 Ed. 6, MDS D43 Rev. 5, ASTM A815 UNS S31803	12.7 mm	15.875 mm	NFF-QTR02 Rev. 01
Wrought Fittings	NORSOK M-630 Ed. 6, MDS D43 Rev. 5, ASTM A815 UNS S32205	12.7 mm	15.875 mm	NFF-QTR03 Rev. 01
Wrought Fittings	NORSOK M-630 Ed. 6, MDS R13 Rev. 5, ASTM A403 UNS S31254	11 mm	13.75 mm	NFF-QTR04 Rev. 01

Production Site covered by this statement:

Jiangyin Nanfang Pipe Fitting Making Co., Ltd.
No. 99 Panlongshan Road, Jiangyin City 214437, Jiangsu Province, P.R.China

Applications/Limitations:

1. This Material Manufacturer Statement does not exempt any purchaser from his responsibility to ensure that this qualification is valid for this products with the essential variables of NORSOK M-650/M-630.
2. Supply of the products are listed above shall be as per inspection documentation EN 10204 3.1 or 3.2 requirements under the discretion of the purchaser.
3. Samples for production testing shall realistically reflect the properties in the actual components as per relevant MDS (or material standard/specification if materials are not covered by MDS) and purchaser requirements.
4. The re-qualification process as per M-650 clause 8.2 shall be repeated if any change is made to essential variable stated in M-650 clause 10.2. e.g. change in the forming process and a major change of manufacturing equipment, etc.
5. If production is carried out at different plants/locations, a separate qualification is required for each plant. This also applies to change of in-house to subcontractors or change of subcontractor for essential operations. e.g. heat treatment, etc.
6. Weld repair is not permitted.
7. NDT operator shall be qualified as per EN ISO 9712 or equivalent.

Terms and conditions:

This statement is subject to the following terms and conditions:

- Product liability rests with Manufacturer in case of damages caused by defective products.





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- The Statement is only valid for product(s) listed above.
- A visit shall be made to the manufacturer in case of changes to essential variables, manufacturing summary or during re-qualification. Manufacturer shall inform the local TÜV SÜD office for any changes made with respect to QTR/Manufacturing Summary.

The following may render this statement invalid:



- Any deviation to application/limitation listed above.
- Changes in the manufacturing of the products.
- Changes or amendments to the referenced standard and manufacturing summary.


Yanping
 17-09-06



NFF	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: NFF-QTR01	
					Rev. No.:01	
Manufacturer name/address/ Web page:	Jiangyin Nanfang Pipe Fitting Making Co., Ltd. No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	Wrought fitting, ASTM A815 UNS S32750 NORSOK M-630 Edition 6, MDS D53 Revision 5					
Manufacturing Summary doc. No.:	NFGY50				Rev. No.:01	
Products and manufacturing process(es):	Cold formed seamless elbows/bends, DN12~DN600, thickness up to 27.5 mm Cold formed seamless tees, DN12~DN600, thickness up to 27.5 mm Cold formed seamless reducers, DN12~DN600, thickness up to 27.5 mm					
Mandatory conditions and sub-contractors:	Heat treatment is carried out internally. Heat treatment procedure: NFGY46. Approved furnace: RX-150-12, No. E-007. Soaking time is measured on the basis of fixed thermocouples in furnace. Penetrating test is carried out internally. Any revision of heat treatment procedure, raw material suppliers and sketches for testing shall be evaluated by the qualifying company whom accepted this QTR for evaluation on possible new testing.					
Other information:	External laboratory: Jiangyin Product Quality Supervision and Testing Institute, CNAS/ISO 17025 accredited laboratory, CNAS No. L0311. Sketch for regular production and qualification testing see sampling plan NFGY45. Approval of furnace (RX-150-12, No. E-007) was completed in June 14, 2017 by Qualifying company.					
Qualification expires:	September, 2022					
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	
Cold formed seamless 90° Elbow/Bend DN200×22mm	(2017)YJWJ05520 /5521/5499/5500/5482/5483	22	27.5	NA	NA	
Cold formed seamless Equal Tee DN200×22mm	(2017)YJWJ05514 /5510/5489/5494/5480/5492	22	27.5	NA	NA	
Cold formed seamless concentric reducer DN200/DN150×22mm	(2017)YJWJ05526 /5486/5478	22	27.5	NA	NA	
Qualification/acceptance signatures						
Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd.	Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017		Checked by/Date: Jiang Chunlong Deputy General Manager August 8, 2017			
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 this products within the essential variables of NORSOK M-650.						
Qualified/Accepted by (company name /address):			Signature/Date:			
TÜV SÜD Certification and Testing (China) Co., Ltd. 3-13, No.151 Heng Tong Road , Shanghai 200070 ,P.R. China						

NFF	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: NFF-QTR02		
			Rev. No.:01		
Manufacturer name/address/ Web page:	Jiangyin Nanfang Pipe Fitting Making Co., Ltd. No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn				
Reference standard	NORSOK M-650, Edition 4				
Material designation and MDS No.:	Wrought fitting, ASTM A815 UNS S31803 NORSOK M-630 Edition 6, MDS D43 Revision 5				
Manufacturing Summary doc. No.:	NFGY48			Rev. No.:01	
Products and manufacturing process(es):	Cold formed seamless elbows/bends, DN12~DN600, thickness up to 15.875 mm Cold formed seamless tees, DN12~DN600, thickness up to 15.875mm Cold formed seamless reducers, DN12~DN600, thickness up to 15.875 mm				
Mandatory conditions and sub-contractors:	Heat treatment is carried out internally. Heat treatment procedure: NFGY46. Approved furnace: RX-150-12, No. E-007. Soaking time is measured on the basis of fixed thermocouples in furnace. Penetrating test is carried out internally. Any revision of heat treatment procedure, raw material suppliers and sketches for testing shall be evaluated by the qualifying company whom accepted this QTR for evaluation on possible new testing.				
Other information:	External laboratory: Jiangyin Product Quality Supervision and Testing Institute, CNAS/ISO 17025 accredited laboratory, CNAS No. L0311. Sketch for regular production and qualification testing see sampling plan NFGY45. Approval of furnace (RX-150-12, No. E-007) was completed in June 14, 2017 by Qualifying company.				
Qualification expires:	September, 2022				
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
Cold formed seamless 90° Elbow/Bend DN200×12.7mm	(2017)YJWJ05519/5518/5497/5498	12.7	15.875	NA	NA
Cold formed seamless EqualTee DN200×12.7mm	(2017)YJWJ05512/5516/5491/5496	12.7	15.875	NA	NA
Cold formed seamless concentric reducer DN200/DN150×12.7mm	(2017)YJWJ05527/5487	12.7	15.875	NA	NA
Qualification/acceptance signatures					
Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd.	Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017	Checked by/Date: Jiang Chunlong Deputy General Manager August 8, 2017			
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 this products within the essential variables of NORSOK M-650					
Qualified/Accepted by (company name /address):			Signature/Date:		
TÜV SÜD Certification and Testing (China) Co., Ltd. 3-13, No.151 Heng Tong Road , Shanghai 200070 ,P.R. China			Yomo Hanq / 2017-09-06		

NFF	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: NFF-QTR03	
					Rev. No.:01	
Manufacturer name/address/ Web page:	Jiangyin Nanfang Pipe Fitting Making Co., Ltd. No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	Wrought fitting, ASTM A815 UNS S32205 NORSOK M-630 Edition 6, MDS D43 Revision 5					
Manufacturing Summary doc. No.:	NFGY49				Rev. No.:01	
Products and manufacturing process(es):	Cold formed seamless elbows/bends, DN12~DN600, thickness up to 15.875 mm Cold formed seamless tees, DN12~DN600, thickness up to 15.875 mm Cold formed seamless reducers, DN12~DN600, thickness up to 15.875 mm					
Mandatory conditions and sub-contractors:	Heat treatment is carried out internally. Heat treatment procedure: NFGY46. Approved furnace: RX-150-12, No. E-007. Soaking time is measured on the basis of fixed thermocouples in furnace. Penetrating test is carried out internally. Any revision of heat treatment procedure, raw material suppliers and sketches for testing shall be evaluated by the qualifying company whom accepted this QTR for evaluation on possible new testing.					
Other information:	External laboratory: Jiangyin Product Quality Supervision and Testing Institute, CNAS/ISO 17025 accredited laboratory, CNAS No. L0311. Sketch for regular production and qualification testing see sampling plan NFGY45. Approval of furnace (RX-150-12, No. E-007) was completed in June 14, 2017 by Qualifying company.					
Qualification expires:	September, 2022					
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	
Cold formed seamless 90° Elbow/Bend DN200×12.7mm	(2017)YJWJ05523/ 5522/5501/5502	12.7	15.875	NA	NA	
Cold formed seamless EqualTee DN200×12.7mm	(2017)YJWJ05511/ 5515/5490/5495	12.7	15.875	NA	NA	
Cold formed seamless concentric reducer DN200/DN150×12.7mm	(2017)YJWJ05528/ 5488	12.7	15.875	NA	NA	
Qualification/acceptance signatures						
Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd.	Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017		Checked by/Date: Jiang Chunlong Deputy General Manager August 8, 2017			
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 this products within the essential variables of NORSOK M-650.						
Qualified/Accepted by (company name /address):			Signature/Date:			
TÜV SÜD Certification and Testing (China) Co., Ltd. 3-13, No.151 Heng Tong Road ,Shanghai 200070 ,P.R. China			  2017-09-06			

NFF	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: NFF-QTR04		
			Rev. No.:01		
Manufacturer name/address/ Web page:	Jiangyin Nanfang Pipe Fitting Making Co., Ltd. No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn				
Reference standard	NORSOK M-650, Edition 4				
Material designation and MDS No.:	Wrought fitting, ASTM A403 UNS S31254 NORSOK M-630 Edition 6, MDS R13 Revision 5				
Manufacturing Summary doc. No.:	NFGY47			Rev. No.:01	
Products and manufacturing process(es):	Cold formed seamless elbows/bends, DN12~DN600, thickness up to 13.75 mm Cold formed seamless tees, DN12~DN600, thickness up to 13.75 mm Cold formed seamless reducers, DN12~DN600, thickness up to 13.75 mm				
Mandatory conditions and sub-contractors:	Heat treatment is carried out internally. Heat treatment procedure: NFGY46. Approved furnace: RX-150-12, No. E-007. Soaking time is measured on the basis of fixed thermocouples in furnace. Penetrating test is carried out internally. Any revision of heat treatment procedure, raw material suppliers and sketches for testing shall be evaluated by the qualifying company whom accepted this QTR for evaluation on possible new testing.				
Other information:	External laboratory: Jiangyin Product Quality Supervision and Testing Institute, CNAS/ISO 17025 accredited laboratory, CNAS No. L0311. Sketch for regular production and qualification testing see sampling plan NFGY45. Approval of furnace (RX-150-12, No. E-007) was completed in June 14, 2017 by Qualifying company.				
Qualification expires:	September, 2022				
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
Cold formed seamless 90° Elbow/Bend DN150×11mm	(2017)YJWJ05524 /5525/5484/5485	11	13.75	NA	NA
Cold formed seamless EqualTee DN150×11mm	(2017)YJWJ05517 /5513/5481/5493	11	13.75	NA	NA
Cold formed seamless concentric reducer DN150/DN100×11mm	(2017)YJWJ05529 /5479	11	13.75	NA	NA
Qualification/acceptance signatures					
Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd.	Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017	Checked by/Date: Jiang Chunlong Deputy General Manager August 8, 2017			
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 this products within the essential variables of NORSOK M-650					
Qualified/Accepted by (company name /address): TÜV SÜD Certification and Testing (China) Co., Ltd. 3-13, No.151 Heng Tong Road ,Shanghai 200070 ,P.R. China			Signature/Date: Yong  -09-06 