

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 Qulification 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 (Chip

Mang Hong 3-13, No.151 Heng Tong Road, Shanghai 200070,

P.R. China



Annex of Statement No.: NORSOK-IS-SHA-253320 Page No.: 1/2

Products covered by this statement

Product descirption	Materiao 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:

- 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 documention EN 10204 3.1 or 3.2 requirements under the discretion of the purchaser.
- 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.





Page No.: 2/2

Industrie Service

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.

ie Service GmbH

NFF	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: NFF-QTR01 Rev. No.:01			
NORSON WI		555	Rev.					
Manufacturer	Jiangvin Nanfa	na Pine Fittina	Making Co., Ltd.					
name/address/	Jiangyin Nanfang Pipe Fitting Making Co., Ltd. No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China							
Web page:					,,,,,			
Reference standard		Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn NORSOK M-650, Edition 4						
Material designation		Wrought fitting, ASTM A815 UNS S32750						
and MDS No.:		NORSOK M-630 Edition 6, MDS D53 Revision 5						
Manufacturing Summary doc. No.:	NFGY50				Rev. No.:01			
Products and			ends, DN12~DN60		27.5 mm			
manufacturing			12~DN600, thickne					
process(es):			DN12~DN600, thi					
Mandatory			rnally. Heat treatm	nent procedure: NI	FGY46.			
conditions and sub-		ce: RX-150-12, N						
contractors:	_	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							
		ssible new testir	ng.					
Other information:	External laborate							
			sion and Testing I	nstitute, CNAS/IS(O 17025			
		accredited laboratory, CNAS No. L0311.						
			d qualification testi					
		Approval of furnace (RX-150-12, No. E-007) was completed in June 14, 2017 by						
	Qualifying company.							
Qualification expires								
	Tested and	qualified th	ickness and	weight				
Products and	Test record No.	Tested	Qualified	Test piece	Qualified			
manufacturing		thickness	thickness	weight	weight			
process(es):		mm	mm	kg	kg			
Cold formed seamless	(2017)YJWJ05520	22	27.5	NA	NA			
90° Elbow/Bend	/5521/5499/5500/							
DN200×22mm	5482/5483							
Cold formed seamless	(2017) YJWJ05514	22	27.5	NA	NA			
Equallee	/5510/5489/5494/							
DN200×22mm Cold formed seamless	5480/5492 (2017) YJWJ05526	22	27.5	ALA	Δ/Δ			
concentric reducer	/5486/5478	22	27.5	NA	NA			
DN200/DN150×22mm	75400/5470							
DIVERSITY OF LEININ	Qualifica	tion/accept	ance signate	ures				
Manufacturer:	Prepared by/Date		Checked by/Da					
iangyin Nanfang Yang Zhenfei Jiang Chunlong								
Pipe Fitting Making								
Co., Ltd.	August 8, 2017 August 8, 2017							
	r and this QTR are e	evaluated and for		ance with the requ	uirements of			
N	ORSOK M-650 for s	supply of the abo	ve listed products	and materials				
T	C. 10 C. 111 000 101 3	ישוא און זי נוקקבי		- Monato				
This acceptance does	s not exemnt anv nu	rchaser from his	responsibility to e	naura that this min	dinsation is va			
This acceptance does	s not exempt any pu for this products wit	rchaser from his	ve listed products responsibility to elevariables of NOR.	neure that this que	dincation is va			
Qualified/Accepted b	for this products wit	hin the essential	responsibility to envariables of NOR Signature/Date	6GK M-650	yincation is va पु			

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	
				R	Pev. 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 qu	alified thic	kness and w	veight		
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pied 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	on/accepta	nce signatur	es		
Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd.	Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017		Checked by/Dat Jiang Chunlong Deputy General August 8, 2017	Manager		
The manufacturer a NO This acceptance does r fo Qualified/Accepted by	and this QTR are eva RSOK M-650 for sup not exempt any purch or this products within (company name /add	ply of the above aser from his re the essential v	listed products an	materials. ure that this OK M-000V	8	
TÜV SÜD Certification 3-13, No.151 Heng Tong F	and Testing (China) Co., Ltd.	Yomo	tony	2617-09-0t	

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

NFF	Qualification Test Record (QTR) NORSOK M-650		NFF	QTR. No.: NFF-QTR03		
				Rev	. No.:01	
Manufacturer	Jiangyin Nanfang I	Pipe Fitting M	aking Co., Ltd.			
name/address/	No. 99 Panlongshan Road, Jiangyin City, Jiangsu Province, China					
Web page:	Tel: +86-510-86997003 / Fax: 0510-86997008 / www.nff.cn					
Reference standard	NORSOK M-650, Edition 4					
Material designation	Wrought fitting, ASTM A815 UNS S32205					
and MDS No.:	NORSOK M-630 Edition 6, MDS D43 Revision 5					
Manufacturing Summary doc. No.:	NFGY49				Rev. No.:01	
Products and	Cold formed seamles	ss elbows/bend	ds, DN12~DN600	, thickness up to	o 15.875 mm	
manufacturing	Cold formed seamles					
process(es):	Cold formed seamless reducers, DN12~DN600, thickness up to 15.875 mm					
Mandatory	Heat treatment is car			nt procedure: N	IFGY46.	
conditions and sub-	Approved furnace: R					
contractors:	Soaking time is meas			nocouples in fur	nace.	
	Penetrating test is ca				1.1.1.1	
	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					
O4h i - f 4i	evaluation on possible	e new testing.				
Otner Information:	Other information: External laboratory:					
	Jiangyin Product Quality Supervision and Testing Institute, CNAS/ISO 17025					
	accordited laborators			stitute, Orvicorio	0 17025	
	accredited laboratory	, ČNAS No. LO	0311.			
	Sketch for regular pro	r, ČNAS No. L(oduction and q	0311. ualification testin	g see sampling	plan NFGY45.	
	Sketch for regular pro Approval of furnace (r, ČNAS No. L(oduction and q	0311. ualification testin	g see sampling	plan NFGY45.	
Qualification expires:	Sketch for regular pro	r, ČNAS No. L(oduction and q	0311. ualification testin	g see sampling	plan NFGY45.	
	Sketch for regular pro Approval of furnace (Qualifying company.	r, ČNAS No. LC oduction and q GRX-150-12, No	0311. ualification testin o. E-007) was coi	g see sampling mpleted in June	plan NFGY45.	
	Sketch for regular pro Approval of furnace (Qualifying company. September, 2022	r, ČNAS No. LC oduction and q GRX-150-12, No	0311. ualification testin o. E-007) was coi	g see sampling mpleted in June	plan NFGY45.	
	Sketch for regular pro Approval of furnace (Qualifying company. September, 2022 Tested and qua	r, ČNAS No. LC oduction and q RX-150-12, No alified thic	0311. ualification testing b. E-007) was col kness and v	g see sampling mpleted in June weight	plan NFGY45. 14, 2017 by	
Products and manufacturing process(es):	Sketch for regular pro Approval of furnace (Qualifying company. September, 2022 Tested and qua Test record No.	r, ĆNAS No. LC oduction and q (RX-150-12, No lified thic Tested	0311. ualification testing b. E-007) was color kness and v	g see sampling mpleted in June weight Test piece	plan NFGY45. 14, 2017 by Qualified	
Products and manufacturing process(es): Cold formed seamless 90°	Sketch for regular pro Approval of furnace (Qualifying company. September, 2022 Tested and qua Test record No. (2017)YJWJ05523/	r, ĆNAS No. LCoduction and q RX-150-12, No lified thic Tested thickness	National Control of the Control of t	g see sampling mpleted in June weight Test piece weight	plan NFGY45. 14, 2017 by Qualified weight	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend	Sketch for regular pro Approval of furnace (Qualifying company. September, 2022 Tested and qua Test record No.	r, ĆNAS No. LCoduction and q RX-150-12, No. lified thic Tested thickness mm	National Control of the Control of t	y see sampling mpleted in June weight Test piece weight kg	plan NFGY45. 14, 2017 by Qualified weight kg	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm	Sketch for regular produced (Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017)YJWJ05523/5522/5501/5502	r, ĆNAS No. LCoduction and q RX-150-12, No. Ilified thic Tested thickness mm 12.7	kness and v Qualified thickness mm 15.875	y see sampling mpleted in June weight Test piece weight kg NA	Qualified weight kg NFGY45.	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless	Sketch for regular produced (Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017) YJWJ05523/5522/5501/5502 (2017) YJWJ05511/	r, ĆNAS No. LCoduction and q RX-150-12, No. lified thic Tested thickness mm	National Control of the Control of t	y see sampling mpleted in June weight Test piece weight kg	plan NFGY45. 14, 2017 by Qualified weight kg	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee	Sketch for regular produced (Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017)YJWJ05523/5522/5501/5502	r, ĆNAS No. LCoduction and q RX-150-12, No. Ilified thic Tested thickness mm 12.7	kness and v Qualified thickness mm 15.875	y see sampling mpleted in June weight Test piece weight kg NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless	Sketch for regular production Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495	c, ĆNAS No. LCoduction and qualified thic Tested thickness mm 12.7	National States (National States) A continuation testing (National States) A continuation of the Continuation (National States) A continuation of the Con	y see sampling mpleted in June weight Test piece weight kg NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm	Sketch for regular produced (Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017) YJWJ05523/5522/5501/5502 (2017) YJWJ05511/	r, ĆNAS No. LCoduction and q RX-150-12, No. Ilified thic Tested thickness mm 12.7	kness and v Qualified thickness mm 15.875	y see sampling mpleted in June weight Test piece weight kg NA	Qualified weight kg NFGY45.	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless	Sketch for regular production Approval of furnace (Qualifying company. September, 2022 Tested and qualifying record No. (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495	c, ĆNAS No. LCoduction and qualified thic Tested thickness mm 12.7	National States (National States) A continuation testing (National States) A continuation of the Continuation (National States) A continuation of the Con	y see sampling mpleted in June weight Test piece weight kg NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer	Sketch for regular production Approval of furnace (Qualifying company. September, 2022 Tested and qualifying record No. (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495	r, ĆNAS No. LCoduction and q RX-150-12, No.	National States (National States) National States	y see sampling impleted in June weight Test piece weight kg NA NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer DN200/DN150×12.7mm	Sketch for regular produced Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495 (2017)YJWJ05528/5488	r, ĆNAS No. LCoduction and q RX-150-12, No.	National States (National States) National States	y see sampling impleted in June impleted	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer DN200/DN150×12.7mm	Sketch for regular production Approval of furnace (Qualifying company.) September, 2022 Tested and qua Test record No. (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495 (2017)YJWJ05528/5488 Qualification	r, ĆNAS No. LCoduction and q RX-150-12, No.	National Action (National Actional Acti	veight Test piece weight NA NA NA NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer	Sketch for regular production Approval of furnace (Qualifying company.) September, 2022 Tested and qualifying record No. (2017) YJWJ05523/5522/5501/5502 (2017) YJWJ05511/5515/5490/5495 (2017) YJWJ05528/5488 Qualification Prepared by/Date:	r, ĆNAS No. LCoduction and q RX-150-12, No.	kness and v Qualified thickness mm 15.875 15.875 1ce signatu Checked by/Da	veight Test piece weight NA NA NA NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer DN200/DN150×12.7mm Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co.,	Sketch for regular production Approval of furnace (Qualifying company.) September, 2022 Tested and qualification (2017)YJWJ05523/5522/5501/5502 (2017)YJWJ05511/5515/5490/5495 (2017)YJWJ05528/5488 Qualification Prepared by/Date: Yang Zhenfei	r, ĆNAS No. LCoduction and q RX-150-12, No.	kness and v Qualified thickness mm 15.875 15.875 1ce signatu Checked by/Da Jiang Chunlon	veight Test piece weight NA	Qualified weight kg NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer DN200/DN150×12.7mm Manufacturer: Jiangyin Nanfang Pipe Fitting Making Co., Ltd. The manufacturer and	Sketch for regular processor Approval of furnace (Qualifying company.) September, 2022 Tested and qualification Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017 Approval of furnace (Quality Company). September, 2022 Tested and qualify Manager August 8, 2017 Approval of this QTR are evaluated and this QTR are evaluated approval of the company. September, 2022 Tested and qualify JWJ05523/ 5522/5501/5502 (2017) YJWJ05528/ 5488	r, ĆNAS No. LCoduction and quantities and quantitie	kness and v Qualified thickness mm 15.875 15.875 15.875 1ce signatu Checked by/Da Jiang Chunlon Deputy Genera August 8, 2017 It obe in complia	res Ite: g see sampling mpleted in June Neight Test piece weight kg NA NA NA NA NA NA NA NA NA N	Qualified weight kg NA NA NA	
Products and manufacturing process(es): Cold formed seamless 90° Elbow/Bend DN200×12.7mm Cold formed seamless EqualTee DN200×12.7mm Cold formed seamless concentric reducer DN200/DN150×12.7mm Manufacturer: liangyin Nanfang Pipe Fitting Making Co., Ltd. The manufacturer and	Sketch for regular processor Approval of furnace (Qualifying company.) September, 2022 Tested and qualification Prepared by/Date: Yang Zhenfei Quality Manager August 8, 2017 nd this QTR are evaluation of the processor of the	r, ĆNAS No. LCoduction and quantities and quantities and quantities and quantities and quantities are also as a found quantities and found quantities and found quantities are also and found quantities are and found quantities are also are also and found quantities are also are als	kness and v Qualified thickness mm 15.875 15.875 15.875 1ce signatu Checked by/Da Jiang Chunlon Deputy Genera August 8, 2017 It obe in complial listed products a	res Itel: Itel	Qualified weight kg NA NA NA	

Signature/Date

NFF	Qualifi	Qualification Test Record (QTR) NORSOK M-650		R)	QTR. No.: NFF-QTR04		
					Rev. No.:01		
Manufacturer name/address/ Web page:	No. 99 Panlong Tel: +86-510-8	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	NORSOK M-650, Edition 4					
Material designation and MDS No.:	NORSOK M-630	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 sea Cold formed sea	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:	Approved furnace Soaking time is a Penetrating test Any revision of h testing shall be a	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: Qualification expires	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. September, 2022						
	Tested and	qualified th	ickness and	weight			
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pied 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		
	Qualifica	tion/accept	ance signat	ures			
		valuated and fou	Checked by/Date: Jiang Chunlong Deputy General Manager August 8, 2017 und to be in compliance with the requirements of				
This acceptance does	for this products wit	rchaser from his hin the essential	responsibility to el variables of NOR	nsure that th	is qualification is valid		
for this products within the essential variables of NORSOK M-050 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							