



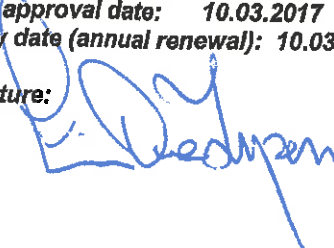




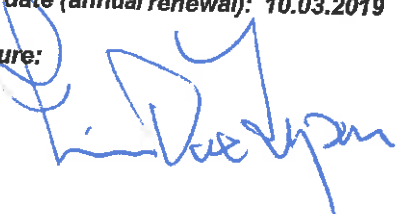







MRC Global

	Qualification Test Record			QTR No.:	QTR-004
	NORSOK M-650 Edition 4			Rev. No.:	03
Manufacturer name/address/ Web page:	IPP Scomark Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK. www.ipppgrp.com				
Reference standard	NORSOK M-650 Edition 4				
Material designation and MDS No.:	ASTM A815 UNS S31803, NORSOK M-630 Edition 6 MDS D43 Revision 5				
Manufacturing summary doc. No.:	QTR004.03	Rev. No.: 02			
Products and manufacturing process(es):	Cold formed and final solution annealed wrought fittings, manufactured from seam welded ASTM A928 Class 1 or Class 3 pipe sections.				
Mandatory conditions and sub-contractors:	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness. Raw pipes from Norsok M-650 approved manufacturers listed within QTR004.10.				
Other information:	HTV tests according to Norsok M-650 Para 9.3 were witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Material testing conducted by 3 rd Party ISO 17025 certified laboratories				
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)
Equal & Reducing Tees	QTR004.07	28.00mm	35.00mm	NA	NA
Elbows	QTR004.07	28.00mm	35.00mm	NA	NA
Concentric & Eccentric Reducers	QTR004.07	33.32mm	40.00mm	NA	NA
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date:	Checked by/Date:			
IPP Scomark	 A. Rigby - 10.03.2018 Technical Director	 P. Tolen - 10.03.2018 Technical Director			
Remarks/Special remarks:					
<ol style="list-style-type: none"> 1. 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. 2. 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. 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal. 					
Qualified/Accepted by (company name/address):  Langarinden 16 NO-5132 NYBORG			Initial approval date: 10.03.2017 Expiry date (annual renewal): 10.03.2019 Signature: 		

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	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: QTR-005			
		Rev. No.: 03			
Manufacturer name/address/ Web page:	IPP Scomark Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK. www.ipppgrp.com				
Reference standard	NORSOK M-650 Edition 4				
Material designation and MDS No.:	ASTM A815 UNS S32760. NORSOK M-630 Edition 6 MDS D53 Revision 5				
Manufacturing summary doc. No.:	QTR005.03	Rev. No.: 02			
Products and manufacturing process(es):	Cold formed and final solution annealed wrought fittings, manufactured from seam welded ASTM A928 Class 1 or Class 3 pipe sections.				
Mandatory conditions and sub-contractors:	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness. Raw pipes from Norsok M-650 approved manufacturers listed within QTR005.10.				
Other information:	HTV tests according to Norsok M-650 Para 9.3 were witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Material testing conducted by 3 rd Party ISO 17025 certified laboratories				
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)
Equal & Reducing Tees	QTR005.07	28.57mm	35.71mm	NA	NA
Elbows	QTR005.07	28.57mm	35.71mm	NA	NA
Concentric & Eccentric Reducers	QTR005.07	33.32mm	40.00mm	NA	NA
Qualification/acceptance signatures					
Manufacturer: IPP Scomark	Prepared by/Date:  A. Rigby - 10.03.2018 Technical Director	Checked by/Date:  P. Tolen - 10.03.2018 Technical Director			
Remarks/Special remarks: <ol style="list-style-type: none"> 1. 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. 2. 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. 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal. 					
Qualified/Accepted by (company name/address): <div style="text-align: center;">  Langarinden 16 NO-5132 NYBORG </div>			Initial approval date: 10.03.2017 Expiry date (annual renewal): 10.03.2019 Signature: 		

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	Qualification Test Record			QTR. No.:	QTR-001
	NORSOK M-650 Edition 4			Rev. No.:	008
Manufacturer name/address/ Web page:	IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ipppgrp.com				
Reference standard	NORSOK M-650 Edition 4				
Material designation and MDS No.:	ASTM A815 UNS S31803. NORSOK M-630 Edition 6 MDS D43 Revision 5				
Manufacturing summary doc. No.:	D01			Rev. No.:	08
Products and manufacturing process(es):	Tees – ½" to 10" up to 22.80mm thick Elbows – ½" to 10" up to 31.75mm thick End Caps – 1" to 20" up to 37.50mm thick Concentric & Eccentric Reducers – (3/4"x1/2") to (12"x10") up to 35.73mm thick				
Mandatory conditions and sub-contractors:	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness.				
Other information:	HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3 rd Party ISO 17025 Approved Supplier.				
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)
SMLS cold formed Tees	QUALTS001	18.23	22.80	NA	NA
SMLS cold formed Elbows	QUALTS001 QTR001.20	25.00	31.75	NA	NA
SMLS cold formed End Caps	QTEC001	30.00	37.50	NA	NA
SMLS cold formed Eccentric Reducers	QTRE001	23.01	28.76	NA	NA
SMLS cold formed Concentric Reducers	QTRE001	28.58	35.73	NA	NA
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: 07.08.2017		Checked by/Date: 07.08.2017		
IPP Scomark Ltd	 A. Rigby Technical Director		 P. Tolen Technical Director		
Remarks/Special remarks:					
1. 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. 2. 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. 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.					
Qualified/Accepted by (company name/address):			Initial approval date: 08.08.2017		
 Gamle Forusvei 53 NO-4033 STAVANGER			Expiry date (annual renewal): 08.08.2018		
			Signature: INGVE STANGELAND 		







Note: This QTR is updated to Rev. 008 as part of 1 year re-qualification, including new HTV tests.

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	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: QTR-003 Rev. No.: 008			
Manufacturer name/address/ Web page:	IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ippgrp.com				
Reference standard	NORSOK M-650 Edition 4				
Material designation and MDS No.:	ASTM A815 UNS S32760 NORSOK M630 Edition 6 MDS D53 Revision 5				
Manufacturing summary doc. No.:	SD01	Rev. No.: 08			
Products and manufacturing process(es):	Tees – ½" to 10" up to 22.80mm thick Elbows – ½" to 10" up to 31.75mm thick End Caps – 1" to 20" up to 37.50mm thick Concentric & Eccentric Reducers – (¾"x1/2") to (12x10") up to 28.76mm thick				
Mandatory conditions and sub-contractors:	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness.				
Other information:	HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3 rd Party ISO 17025 Approved Supplier.				
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)
SMLS cold formed Tees	QUALTS003	18.23	22.80	NA	NA
SMLS cold formed Elbows	QUALTS003 QTR003.20	25.00	31.75	NA	NA
SMLS cold formed End Caps	QTEC003	30.00	37.60	NA	NA
SMLS cold formed Reducers	QTRE003	23.01	28.76	NA	NA
Qualification/acceptance signatures					
Manufacturer: IPP Scomark Ltd	Prepared by/Date: 07.08.2017  A. Rigby Technical Director	Checked by/Date: 07.08.2017  P. Tolén Technical Director			
Remarks/Special remarks: <ol style="list-style-type: none"> 1. 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. 2. 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. 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal. 					
Qualified/Accepted by (company name/address):  Gamle Forusvei 53 NO-4033 STAVANGER			Initial approval date: 08.08.2017 Expiry date (annual renewal): 08.08.2018 Signature: INGVE STANGELAND 		

Note: This QTR is updated to Rev.008 as part of 5 year re-qualification, including new HTV tests.

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	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: QTR-002 Rev. No.: 007			
Manufacturer name/address/ Web page:	IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ipppgrp.com				
Reference standard	NORSOK M-650 Edition 4				
Material designation and MDS No.:	ASTM A403 UNS S31254. NORSOK M630 Edition 6 MDS R13 Revision 5				
Manufacturing summary doc. No.:	6Mo01	Rev. No.: 06			
Products and manufacturing process(es):	Tees – ½" to 10" up to 17.80mm thick Elbows – ½" to 10" up to 17.80mm thick End Caps – 1" to 20" up to 37.50mm thick Concentric & Eccentric Reducers – (¾"x1/2") to (12x10") up to 28.76mm thick				
Mandatory conditions and sub-contractors:	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness.				
Other information:	HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3 rd Party ISO 17025 Approved Supplier.				
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)
Seamless cold formed Tees	QUALTS002	14.27	17.80	NA	NA
Seamless cold formed Elbows	QUALTS002	14.27	17.80	NA	NA
Seamless cold formed End Caps	QTEC002	30.00	37.50	NA	NA
Seamless cold formed Reducers	QTRE002	23.01	28.76	NA	NA
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: 07.08.2017		Checked by/Date: 07.08.2017		
IPP Scomark Ltd	 A. Rigby Technical Director		 P. Tolen Technical Director		
Remarks/Special remarks:					
1. 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. 2. 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. 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.					
Qualified/Accepted by (company name/address):  Gamie Forusvei 53 NO-4033 STAVANGER			Initial approval date: 08.08.2017 Expiry date (annual renewal): 08.08.2018 Signature:  		

Note: This QTR is updated to Rev.007 as part of 5 year re-qualification, including new HTV tests.