




# MRC Global <sup>TM</sup>

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: QTR-001
		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 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 <sup>rd</sup> Party ISO 17025 Approved Supplier.	

### Tested and Qualified Thickness and Weight


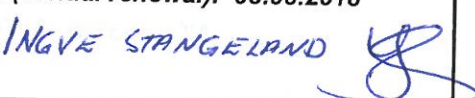
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
SMLS cold formed Tees	QUALTS001	18.23	22.80	NA	NA
SMLS cold formed Elbows	QUALTS001 QTR001.20	25.00	31.75	NA	NA
SMLS cold formed End Caps	QTEC001	30.00	37.50	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

<b>Manufacturer:</b> IPP Scomark Ltd	<b>Prepared by/Date:</b> 07.08.2017   A. Rigby Technical Director	<b>Checked by/Date:</b> 07.08.2017   P. Tolen Technical Director
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**Remarks/Special remarks:**

- 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.
- 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.
- 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.

<b>Qualified/Accepted by (company name/address):</b>   Gamle Forusvei 53 NO-2033 STAVANGER	<b>Initial approval date:</b> 08.08.2017 <b>Expiry date (annual renewal):</b> 08.08.2018 <b>Signature:</b> 
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Note: This QTR is updated to Rev. 008 as part of 1 year re-qualification, including new HTV tests.