



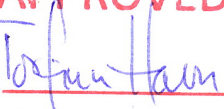



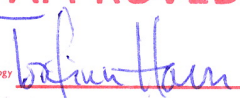



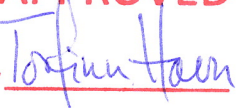



	Qualification Test Record (QTR) NORSOK M-650		QTR No.:		
			AGR-03-F51		
Manufacturer name/address/ AGR FORGE S.r.L. Unipersonale Via 1° Maggio 1 – 36040 Pedemonte (VI) ITALY - Legal address & Production site		Rev. No.: 00			
Web page: www.agrforge.com					
Reference standard		NORSOK M-650, Edition 4			
Material designation and MDS No.:		ASTM A182 Gr.F51/F60 - Type 22Cr duplex - according to MDS D44 Rev. 6			
Manufacturing Summary doc. No.:		MS-03-F51		Rev. No.: 00	
Products and manufacturing process(es):		Products: Forged discs Manufacturing process: hot forging – press forging			
Mandatory conditions and sub-contractors:		<ul style="list-style-type: none"> Heat treatment by: FORGIA RAPIDA Srl (Furnace F8)–40128–Bologna Steelmakers: Cogne Acciai Speciali Spa – Italfond Spa – Valbruna – Foroni - Aceralava (Only Steelmaker approved with standard M-650) Test laboratory: Sigmatre Lab (ISO 17025 ACCREDITATED) 			
Other information:		3 rd part inspection by TÜV sud (3.2)			
Qualification expires:		November 2028			
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 discs	2364/23	100	100	193	/
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date:		Checked by/Date:		
	Alessandro Liccardi 17.11.2023 		Alberto Rossi 17.11.2023 		
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. <i>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.</i>					
Qualified/Accepted by (company name/address):			Signature/Date:		
 APPROVED  <small>partner in material technology and innovation</small>			Torfinn Havn Material Specialist 17.11.2023		

	Qualification Test Record (QTR) NORSOK M-650				QTR No.:
					AGR-01-F51
Manufacturer name/address/ AGR FORGE S.r.L. Unipersonale Via 1° Maggio 1 – 36040 Pedemonte (VI) ITALY - Legal address & Production site					Rev. No.:
Web page: www.agrforge.com					00
Reference standard NORSOK M-650, Edition 4					
Material designation and MDS No.: ASTM A182 Gr.F51/F60 - Type 22Cr duplex - according to MDS D44 Rev. 6					
Manufacturing Summary doc. No.: MS-01-F51					Rev. No.:
					00
Products and manufacturing process(es): Products: rolled rings Manufacturing process: hot forging – press forging and final rolling					
Mandatory conditions and sub-contractors: <ul style="list-style-type: none"> Heat treatment by: FORGIA RAPIDA Srl (Furnace F8)–40128–Bologna Steelmakers: Cogne Acciai Speciali Spa – Italfond Spa – Valbruna – Foroni – Aceralava (Only Steelmaker approved with standard M-650) Test laboratory: Sigmatre Lab (ISO 17025 ACCREDITATED) 					
Other information: 3 rd part inspection by TÜV sud (3.2)					
Qualification expires: November 2028					
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
Rolled rings	2362/23	150	150	304	/
Qualification/acceptance signatures					
Manufacturer: 	Prepared by/Date: Alessandro Liccardi 17.11.2023		Checked by/Date: Alberto Rossi 17.11.2023		
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. <i>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.</i>					
Qualified/Accepted by (company name/address):			Signature/Date:		
 APPROVED 			Torfinn Havn Material Specialist 17.11.2023		

	Qualification Test Record (QTR) NORSOK M-650				QTR No.:
					AGR-04-F51
Manufacturer name/address/ AGR FORGE S.r.L. Unipersonale Via 1° Maggio 1 – 36040 Pedemonte (VI) ITALY - Legal address & Production site		Rev. No.: 00			
Web page: www.agrforge.com					
Reference standard		NORSOK M-650, Edition 4			
Material designation and MDS No.:		ASTM A182 Gr.F51/F60 - Type 22Cr duplex - according to MDS D44 Rev. 6			
Manufacturing Summary doc. No.:		MS-04-F51	Rev. No.: 00		
Products and manufacturing process(es):		Products: Open Die Flange Manufacturing process: hot forging – press forging			
Mandatory conditions and sub-contractors:		<ul style="list-style-type: none"> Heat treatment by: FORGIA RAPIDA Srl (Furnace F8)–40128–Bologna Steelmakers: Cogne Acciai Speciali Spa – Italfond Spa – Valbruna – Foroni - Aceralava(Only Steelmaker approved with standard M-650) Test laboratory: Sigmatre Lab (ISO 17025 ACCREDITATED) 			
Other information:		3 rd part inspection by TÜV sud (3.2)			
Qualification expires:		November 2028			
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
Open Die Flange	2365/23	170	170	177	/
Qualification/acceptance signatures					
Manufacturer: 	Prepared by/Date: Alessandro Liccardi 17.11.2023		Checked by/Date: Alberto Rossi 17.11.2023		
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. <i>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.</i>					
Qualified/Accepted by (company name/address):			Signature/Date:		
 APPROVED  <small>partner in material technology and innovation</small>			Torfinn Havn Material Specialist 17.11.2023		

	Qualification Test Record (QTR) NORSOK M-650				QTR No.: AGR-02-F51	
					Rev. No.: 00	
Manufacturer name/address/ Web page:	AGR FORGE S.r.L. Unipersonale Via 1° Maggio 1 – 36040 Pedemonte (VI) ITALY - Legal address & Production site www.agrforge.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A182 Gr.F51/F60 - Type 22Cr duplex - according to MDS D44 Rev. 6					
Manufacturing Summary doc. No.:	MS-02-F51				Rev. No.: 00	
Products and manufacturing process(es):	Products: Forged rings Manufacturing process: hot forging – press forging					
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> • Heat treatment by: FORGIA RAPIDA Srl (Furnace F8)–40128–Bologna • Steelmakers: Cogne Acciai Speciali Spa – Italfond Spa – Valbruna – Foroni - Aeralava (Only Steelmaker approved with standard M-650) • Test laboratory: Sigmatre Lab (ISO 17025 ACCREDITATED) 					
Other information:	3 rd part inspection by TÜV sud (3.2)					
Qualification expires:	November 2028					
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 rings	2363/23	180	180	255	/	
Qualification/acceptance signatures						
Manufacturer: 	Prepared by/Date:: Alessandro Liccardi 17.11.2023		Checked by/Date: Alberto Rossi 17.11.2023			
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):  partner in material technology and innovation			Signature/Date: Torfinn Havn Material Specialist 17.11.2023			