
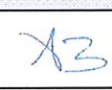
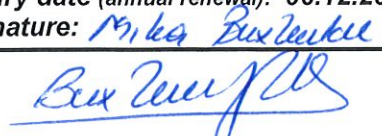

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: 1 Rev. No. 9			
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 - Cortenova (Lecco) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F51/F60 S31803/S32205; MDS D44 Rev.6; MDS DH44 Rev.1; MDS ID144/ID144S Rev.1				
Manufacturing summary doc. No.:	MS 01 - MS 02 – MS 03 – MS 04 – MS 05 Last Revision				
Products and manufacturing process(es):	<ul style="list-style-type: none"> CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (MS 01) CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (MS 02) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 03) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HAMMER FORGING (MS 04) RING ROLLED WN FLANGES, HUBS, SPECTACLE BLIND, RING SPACERS, SPECIAL PIECES, PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (MS 05) 				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 L.R. NDE Ultrasonic test for compliance to MDS DH54 shall be according to Melesi NDT UT-02 procedure L.R. 				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed November 2016. Melesi laboratory is accredited to ISO17025. 				
Qualification Expires:	December 2026 with MRC annual verification & renewal as per point 4 below				
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)
SCREW AND MAXI PRESS (MS 01)	13795-34103-34104-34105-34106-75224-81248-143619	82.6	90.8	95	N/A
CLOSE DIE HAMMER (MS 02)	13792-34228-38160-127263-143800	185	185	950	N/A
OPEN DIE HYDRAULIC PRESS (MS 03)	70980-72877	124	124	303	N/A
OPEN DIE HAMMER FORGING (MS 04)	34403-72878	54	59.4	60	N/A
FORGING AND RING (MS 05)	34404-143802-143803	203.2	203.2	205	N/A
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: Alfredo Randazzo 14.05.2024		Checked by/Date: Andrea Bassi 14.05.2024		
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): <h2 style="margin: 0;">MRC Global Norway AS</h2>			Initial approval date: 06.12.2021 Expiry date (annual renewal): 06.12.2024 Signature: 		

Note: QTR is updated as part of 5 years renewal to M-650 Ed.4.

Gamle Farusveien 53
4033 STAVANGER

MRC GlobalTM

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: 1A Rev. No. 0
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 - Cortenova (Lecco) Italy www.melesi.it	
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7; ISO 17781:2017; IOGP S-563	
Material designation and MDS No.:	ASTM A 182 F51/F60; MDS D44 Rev.6; MDS DH44 Rev.1; MDS ID144/ID144S Rev.01	
Manufacturing summary doc. No.:	MS 23	Last Revision
Products and manufacturing process(es):	<ul style="list-style-type: none"> OPEN DIE FORGED + RING ROLLED SHAPE SUITABLE TO OBTAIN SPECIAL FLANGES (EXCEPT WN), LINE BLANKS PARTS, FLANGED HUBS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIBLE WITH THE QUALIFIED RAW SHAPE) PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (MS23) 	
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 L.R. NDE Ultrasonic test for compliance to MDS DH44 shall be according to Melesi NDT UT-02 procedure L.R. 	
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed January 2024. Melesi laboratory is accredited to ISO 17025 	
Qualification Expires:	September 2029 with annual verification & renewal as per point 4 below	

Tested and Qualified Thickness and Weight

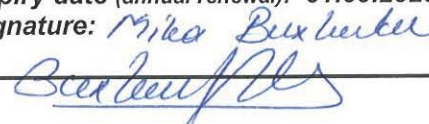
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
FORGING AND RING ROLLING (MS23)	GP23-5399	300	300	2520	ALL

Qualification/acceptance signatures



Manufacturer: Officine Ambrogio Melesi & C S.r.l.	Prepared by/Date: Alfredo Randazzo 25/02/2024	Checked by/Date: Andrea Bassi 26/02/2024
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Remarks/Special remarks:

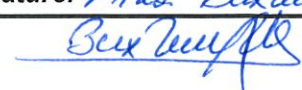
1. The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
2. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products 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): <h2 style="margin: 0;">MRC Global Norway AS</h2> Gamle Forusveien 53 4033 STAVANGER	Initial approval date: 01.09.2024 Expiry date (annual renewal): 01.09.2025 Signature: 
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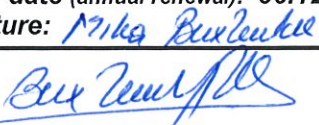
Note: QTR is updated to Rev.4 as part of 5 years renewal to M-650 Ed.4.

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: 2 Rev. No. 7			
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 - Cortenova (Lecco) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F44 S31254; MDS R14 Rev.6; MDS IR144/IR144S Rev.1				
Manufacturing summary doc. No.:	MS 06 - MS 07 – MS 08 – MS 09 – MS 10 <i>Last Revision</i>				
Products and manufacturing process(es):	<ul style="list-style-type: none"> CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (MS 06) CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (MS 07) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 08) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HAMMER FORGING (MS 09) RING ROLLED WN FLANGES, HUBS, SPECTACLE BLIND, RING SPACERS, SPECIAL PIECES, PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (MS 10) 				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 L.R. NDE Ultrasonic test, only for compliance to supplementary client request, shall be according to Melesi NDT UT-02 procedure L.R. 				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed November 2016. Melesi laboratory is accredited to ISO17025. 				
Qualification Expires:	December 2026 with MRC annual verification & renewal as per point 4 below				
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)
SCREW AND MAXI PRESS (MS 06)	34265-34284-77648	55.6	61.2	36	72
CLOSE DIE HAMMER (MS 07)	34455-74337-127575	184.1	184.1	950	N/A
OPEN DIE HYDRAULIC PRESS (MS 08)	16884-34562	123.8	123.8	400	N/A
OPEN DIE HAMMER FORGING (MS 09)	34856-77381	54	59.4	38	76
FORGING AND RING (MS 10)	34858-74338	161.9	161.9	950	N/A
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: Alfredo Randazzo 14.05.2024	Checked by/Date: Andrea Bassi 14.05.2024			
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): MRC Global Norway AS Gamla Forusveien 53 4033 STAVANGER			Initial approval date: 06.12.2021 Expiry date (annual renewal): 06.12.2024 Signature: 		

Note: QTR is updated every 5 years or as part of 5 years renewal to M-650 Ed.4.




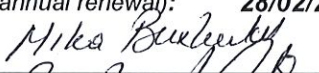


MRC Global

	<h2 style="margin: 0;">Qualification Test Record NORSOK M-650 Edition 4</h2>			QTR. No.: 3	
				Rev. No. 8	
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 - Cortenova (Lecco) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4 ; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F55 S32760; MDS D54 Rev.6; MDS DH54 Rev.1; MDS ID254/ID254S Rev.2				
Manufacturing summary doc. No.:	MS 11 - MS 12 – MS 13 – MS 14 – MS 15			Last Revision	
Products and manufacturing process(es):	<ul style="list-style-type: none"> CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (MS 11) CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (MS 12) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 13) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HAMMER FORGING (MS 14) RING ROLLED WN FLANGES, HUBS, SPECTACLE BLIND, RING SPACERS, SPECIAL PIECES, PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (MS 15) 				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 L.R. NDE Ultrasonic test for compliance to MDS DH54 shall be according to Melesi NDT UT-02 procedure L.R. 				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed November 2016. Melesi laboratory is accredited to ISO17025. 				
Qualification Expires:	December 2025 with MRC annual verification & renewal as per point 4 below				
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)
SCREW AND MAXI PRESS (MS 11)	34405-34537-34538	82.6	82.6	95	190
CLOSE DIE HAMMER (MS 12)	34543-74051	184.1	184.1	950	ALL
OPEN DIE HYDRAULIC PRESS (MS 13)	34632	165	165	650	ALL
OPEN DIE HAMMER FORGING (MS 14)	34633-74052	54	59.4	60	120
FORGING AND RING (MS 15)	34634	203.2	203.2	2050	NA
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: Alfredo Randazzo 14.05.2024. 	Checked by/Date: Andrea Bassi 14.05.2024. 			
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): MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Initial approval date: 06.12.2021 Expiry date (annual renewal): 06.12.2024 Signature: 		




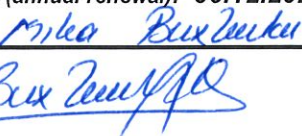
Note: QTR is updated to M-650 as part of 5 years renewal to M-650 Ed.4.

MRC GlobalTM

	Qualification Test Record NORSOK M-650 Edition 4				QTR. No.: 3A
					Rev. No. 0
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 – Cortenova - Lecco (LC) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F55; MDS D54 Rev. 6; MDS DH54 Rev.1; MDS ID254/ID254S Rev.2				
Manufacturing summary doc. No.:	MS 21				Rev.No. 0
Products and manufacturing process(es):	OPEN DIE FORGED SHAPE SUITABLE FOR SPECIAL FLANGES (EXCEPT WN), LINE BLANKS PARTS, FLANGED HUBS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIBLE WITH THE QUALIFIED RAW SHAPE), PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 21)				
Mandatory conditions and sub-contractors:	Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 Rev.18 & NDT-UT after heat treatment & before final machining as per UT-02 (only for MDS DH54)				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed January 2024. Melesi laboratory is accredited to ISO 17025. 				
Qualification expires:	February 2029 with MRC annual verification & renewal as per point 4 below				
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 BY HYDRAULIC PRESS (MS 21)	GP23-5375	200	200	254.2	ALL
Qualification/acceptance signatures					
Manufacturer:	Officine Ambrogio Melesi & C. S.r.l.	Prepared by/Date:	Alfredo Randazzo  26/02/2024	Checked by/Date:	Andrea Bassi  26/02/2024
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:		28/02/2024
MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Expiry date (annual renewal):		28/02/2025
			Signature:		



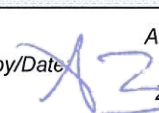
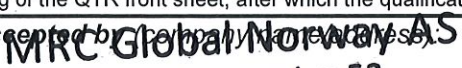
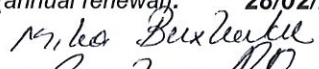
Note: QTR is updated to Rev.4 as part of 5 years renewal to M-650 Ed.4.

MRC GlobalTM

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: 4 Rev. No. 7			
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 - Cortenova (Lecco) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F53 S32750; MDS D54 Rev.6; MDS DH54 Rev.1; MDS ID254/ID254S Rev.2				
Manufacturing summary doc. No.:	MS 16 - MS 17 – MS 18 – MS 19 – MS 20 Last Revision				
Products and manufacturing process(es):	<ul style="list-style-type: none"> CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (MS 16) CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (MS 17) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 18) OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, PRODUCTION ROUTE BY OPEN DIE HAMMER FORGING (MS 19) RING ROLLED WN FLANGES, HUBS, SPECTACLE BLIND, RING SPACERS, SPECIAL PIECES, PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (MS 20) 				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 L.R. NDE Ultrasonic test for compliance to MDS DH54 shall be according to Melesi NDT UT-02 procedure L.R. 				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed November 2016. Melesi laboratory is accredited to ISO17025. 				
Qualification Expires:	December 2026 with MRC annual verification & renewal as per point 4 below				
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)
SCREW AND MAXI PRESS (MS 16)	34635-34636	82.6	82.6	95	190
CLOSE DIE HAMMER (MS 17)	34637-73659-126547	184.1	184.1	950	N/A
OPEN DIE HYDRAULIC PRESS (MS 18)	34638	165	162	650	N/A
OPEN DIE HAMMER FORGING (MS 19)	34750-73660	54	59.4	60	120
FORGING AND RING (MS 20)	34751	203.2	203.2	2050	N/A
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: Alfredo Randazzo 14.05.2024. 	Checked by/Date: Andrea Bassi 14.05.2024. 			
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): MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER				Initial approval date: 06.12.2021 Expiry date (annual renewal): 06.12.2024 Signature: 	


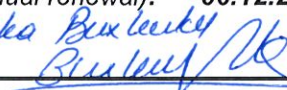
Note: QTR is updated to Rev.4 as part of MRC renewal to M-650 Ed.4.


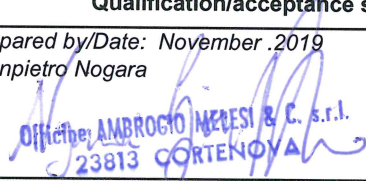
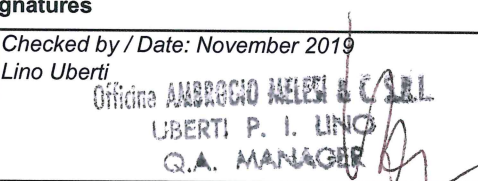
MRC GlobalTM

	<h2 style="margin: 0;">Qualification Test Record NORSOK M-650 Edition 4</h2>	QTR. No.: 4A Rev. No. 0			
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 – 23813 – Cortenova - Lecco (LC) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630 Edition 7, ISO 17781:2017, IOGP-S-563 v.2021				
Material designation and MDS No.:	ASTM A 182 F53; MDS D54 Rev. 6; MDS DH54 Rev.1; MDS ID254/ID254S Rev.2				
Manufacturing summary doc. No.:	MS 22	Rev.No. 0			
Products and manufacturing process(es):	OPEN DIE FORGED SHAPE SUITABLE FOR SPECIAL FLANGES (EXCEPT WN), LINE BLANKS PARTS, FLANGED HUBS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIBLE WITH THE QUALIFIED RAW SHAPE), PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (MS 22)				
Mandatory conditions and sub-contractors:	Heat treatment loading shall be according to methods in sketches of Melesi heat treatment procedure TT04 Rev.18 & NDT-UT after heat treatment & before final machining as per UT-02 (only for MDS DH54)				
Other information:	<ul style="list-style-type: none"> Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC EP – latest tests performed January 2024. Melesi laboratory is accredited to ISO 17025. 				
Qualification expires:	February 2029 with MRC annual verification & renewal as per point 4 below				
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 BY HYDRAULIC PRESS (MS 22)	GP23-5384	200	200	254.2	ALL
Qualification/acceptance signatures					
Manufacturer:	Officine Ambrogio Melesi & C. S.r.l.	Prepared by/Date:	 Alfredo Randazzo 26/02/2024	Checked by/Date:	 Andrea Bassi 26/02/2024
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:  MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Initial approval date: 28/02/2024 Expiry date (annual renewal): 28/02/2025 Signature: 		

Note: QTR is updated to Rev.4 as part of 5 years renewal to M-650 Ed.4.

MRC Global

	<h2 style="margin: 0;">Qualification Test Record</h2> <h3 style="margin: 0;">NORSOK M-650 Edition 4</h3>	QTR. No.: 5 Rev. No.: 5			
Manufacturer name/address/ Web page:	Officine Ambrogio Melesi Largo de Vecchi 11 - 23813 Cortenova (Lecco) Italy www.melesi.it				
Reference standard	Norsok M-650 Edition 4; Norsok M-630:2020 ; ISO 17781:2017 ; IOGP S-563:2021				
Material designation and MDS No.:	ASTM B381 Gr.F-2; MDS T24 Rev.1; MDS IT104/IT104S; GOST VT 1-0				
Manufacturing summary doc. No.:	TA 01 Rev.03 - TA 02 Rev.03 – TA 03 Rev.02– TA 04 Rev.02				
Products and manufacturing process(es):	AS FORGED PIECES FROM: - CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS SPECIAL PIECES, RINGS AND BLINDS, PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (TA 01) - CLOSE DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, RINGS AND BLINDS PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (TA 02) - RING ROLLED WN FLANGES, HUBS, SPECTACLE BLIND, RING SPACERS, SPECIAL PIECES, RINGS AND BLINDS PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (TA 03) - OPEN DIE FORGED FLANGES ALL TYPES, HUBS, SPECTACLE BLIND, RING SPACERS AND BLINDS, SPECIAL PIECES, RINGS AND BLINDS PRODUCTION ROUTE BY OPEN DIE HYDRAULIC PRESSE (TA 04)				
Mandatory conditions and sub-contractors:	Base material Suppliers: refer to attached list of titanium suppliers				
Other information:	Melesi laboratory is accredited to ISO17025 for mechanical Tests.				
Qualification Expires:	December 2024 with MRC annual verification & renewal as per point 4 below				
Tested and Qualified Thickness and Weight					
Products and manufacturing process(es):	Test record No.	Max. Tested thickness (mm)	Max. Qualified thickness (mm)	Max. Test piece weight (kg)	Max. Qualified weight (kg)
SCREW AND MAXI PRESSE (TA01)	57.877-57.878- 105097-105098-105099-105360-143615	36.5	45.6	11.7	23.4
CLOSE DIE HAMMER (TA02)	57.879-105093-105361-105363-143616-143617-143618	63.5	79.3	53	106
FORGING AND RING ROLLING (TA 03)	57.876-104866-105362	260	325	920	ALL
OPEN DIE HYDRAULIC PRESSE (TA 04)	57.880-105092-105359	350	437	200	400
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: 30/11/2023 Alfredo Randazzo	Checked by/Date: 30/11/2023 Andrea Bassi			
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 Energy Piping's 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): MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Initial approval date: 31.10.2019 Expiry date (annual renewal): 06.12.2024 Signature: 		

	Qualification Test Record NORSOK M-650 Edition 4				QTR. No.: 7	
					Rev. No.: 2	
Manufacturer name/address/ Webpage:	Officine Ambrogio Melesi Largo de Vecchi 11 23813 Cortenova (Lecco) Italy www.melesi.it					
Reference standard	Norsok M-650 Edition 4					
Material designation and MDS No.:	ASTM A 182-19 F51/F60; NORSOK M630 Edition 6 MDS 044 Rev. 5					
Manufacturing summary doc. No.:	MS 21				Rev. No.: 3	
Products and manufacturing process(es):	OPEN DIE SPECIAL PIECES AND VALVE BODY MANUFACTURED WITH FORGING PRESSE					
Mandatory conditions and sub-contractors:	Heat treatment loading shall be according to staking Methods 4 defined in Melesi heat treatment procedure TT04 BODY Rev.3, test sampling to be agreed in case by case, Heat treatment using furnace Nr. 6					
Other information:	Valid for forgings with premachined bore before heat treatment with max heat treatment thickness 200 mm					
Qualification expires :	November .2024					
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 HYDRAULIC PRESS (MS 21)	96882	200	200	Rough forged weight 5500 kg, heat treated weight 2835 kg	NA	
Qualification/acceptance signatures						
Manufacturer:	Prepared by/Date: November .2019 Gianpietro Nogara  Officine AMBROGIO MELESI & C. s.r.l. 23813 CORTENOVA		Checked by / Date: November 2019 Lino Uberti  Officina AMBROGIO MELESI & C. S.R.L. UBERTI P. I. LINO Q.A. MANAGER			
Remarks/Special remarks:						
<ol style="list-style-type: none"> 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 accepted by REINERTSEN New Energy AS for supply of pre-machined forging before heat treatment as described in this document. 						
Qualified/Accepted by (company name/address):				Signature date: 08.11.2019		
