MRC Global

officine ambrogio melesi	**Qualification Test Record NORSOK M-650 Edition 4**	*QTR. No.: 4A*
		Rev. No. **2**

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 L.R. • NDE Ultrasonic test for compliance to MDS DH54 shall be performed by sub-supplier's ISO 9712 qualified operators
Other information:	• Heat treatment verifications according to M-650 Para.9.3 performed under witness by MRC – latest tests performed January 2024. • Melesi laboratory is accredited to ISO 17025.
Qualification expires:	December 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:* *Andrea Montanelli* *30.10.2026*	*Checked by/Date:* *Pietro Nava* *30.10.2026*

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:*** ***28.02.2024*** ***Expiry date*** *(annual renewal):* ***31.03.2027*** ***Signature:***

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