MRC Global™

officine ambrogio melesi	**Qualification Test Record NORSOK M-650 Edition 4**	QTR. No.: 5
		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, ISO 17782:2018, M-630 Ed.7, *IOGP S-563 V.2021*
Material designation and MDS No.:	***ASTM B381 Gr. F-2 UNS R50400 M-630 Ed.7 MDS T24 Rev.1, IOGP S-563 MDS IT104/IT104S, GOST VT 1-0***
Manufacturing summary doc. No.:	TA 01; TA 02; TA 03; TA 04 *Last Revision*
Products and manufacturing process(es):	AS FORGED PIECES FROM: - CLOSE DIE FORGED SHAPE SUITABLE FOR FLANGES ALL TYPES, FLANGED HUBS, LINE BLANKS PARTS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIVLE WITH THE QUALIFIED RAW SHAPE), PRODUCTION ROUTE BY SCREW PRESSE AND MAXI PRESSE (TA 01) - CLOSE DIE FORGED SHAPE SUITABLE FOR FLANGES ALL TYPES, FLANGED HUBS, LINE BLANKS PARTS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIVLE WITH THE QUALIFIED RAW SHAPE), PRODUCTION ROUTE BY CLOSE DIE HAMMER FORGING (TA 02) - RING ROLLED SHAPE SUITABLE FOR WN FLANGES, FLANGED HUBS, LINE BLANKS PARTS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIVLE WITH THE QUALIFIED RAW SHAPE), PRODUCTION ROUTE BY FORGING PRESSE AND RING ROLLING (TA 03) - OPEN DIE FORGED SHAPE SUITABLE FOR FLANGES ALL TYPES, FLANGED HUBS, LINE BLANKS PARTS, VALVE PARTS OR OTHER SPECIAL PIECES (OF FINAL GEOMETRY COMPATIVLE WITH THE QUALIFIED RAW SHAPE), 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 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.*	*Max. Tested thickness (mm)*	*Max. Qualified thickness (mm)*	*Max. Test piece weight (kg)*	*Max. Qualified weight (kg)*
SCREW AND MAXI PRESSE (TA 01)	57.877–57.878- 105097-105098-105099-105360-143615	36.5	45.6	11.7	23.4
CLOSE DIE HAMMER (TA 02)	57.879-105093-105361-105363-143616-143617-143618	63.5	79.4	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	437.5	200	ALL

Qualification/acceptance signatures

Manufacturer: *Officine Ambrogio Melesi & C.*	*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 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:*** ***06.12.2024*** ***Expiry date*** *(annual surveillance):* ***31.03.2027*** ***Signature:***