

M.E.G.A.	Qualification Test Record NORSOK M-650 Edition 4				QTR. No.: QTR-Q1	
					Rev. No.: 9	
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiesa 3, Scanzorosciate – Bergamo – Italy www.mega-spa.com					
Reference standard	Norsok M-650 Edition 4					
Material designation and MDS No.:	ASTM A182 F51 and A182 F60 Norsok M-630 - MDS D44 Rev. 6 IOGP S563 - MDS ID 144 Rev. 01					
Manufacturing summary doc. No.:	MS-FIT-F51-F60				Rev. No.: 3	
Products and manufacturing process(es):	Forged Body Valves, Forged Outlets, Forged Flanges (body and hub), Forged Steel Fittings according to ASME B16.11 Closed-die forging and machining					
Mandatory conditions and sub-contractors:	Pieces forged as close as possible to final shape. Minimum forging ratio 4:1 Starting material supplied by: Acerlava – Aceria de Alava // Acciaierie Valbruna // ASO Siderurgica // BGH Edelstahlwerke (Freital or Siegen) // Boeler Edelstahl // Cogne Acciai Speciali // Foroni // Italfond // Olarra Aceros Inoxidables // Sandvik Heat treatment in M.E.G.A. furnace Gadda 1225-1 or Gadda 1272-F2 Tests subcontracted to MEGA-LAB					
Other information:	Heat treatment procedure verification of furnaces was carried out under supervision of qualifying company on 13/-06-2013 and on 03-03-2016					
Qualification expires:	10-August-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 body valves	TC-000002-99-0037	78	85.8	8.5	17	
Forged outlets	TC-000002-13-0001	32.5	35.75	6	12	
Forged flanges – body	TC-000002-99-0037 TC-QTR-Q01-F51-OL	36.5	40.15	12	24	
Forged flanges – hub	TC-000002-99-0037 TC-QTR-Q01-F51-OL	80	88	12	24	
Qualification/acceptance signatures						
Manufacturer:	Prepared by/Date: O. Qamar 05-Aug-2023		Checked by/Date: M. Arrigoni 05-Aug-2023			
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: 10-August-2023			
MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Expiry annual date: 10-August-2026 Signature: <i>Mike Beyler</i> 			