

M.E.G.A. Qualifica		ification To	n Test Record		QTR. No.: QTR-Q1	
		RSOK M-65	0 Edition 4	F	Rev. No	ı.: <mark>9</mark>
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chie www.mega-spa.cor		te – Bergamo – Italy			
Reference standard	Norsok M-650 Editi	on 4				
Material designation and MDS No.:	ASTM A182 F51 ar Norsok M-630 - MD IOGP S563 - MDS	S D44 Rev. 6				
Manufacturing summary doc. No.:	MS-FIT-F51-F60			F	Rev. No.	: 3
Products and manufacturing process(es):	Forged Body Valve according to ASME Closed-die forging	B16.11	Forged Flanges (body	y and hub), Fo	orged St	eel Fittings
Mandatory conditions and sub-contractors:	BGH Edelstahlwerk Foroni // Italfond /	de Alava // Acciaie ke (Freital or Siegen // Olarra Aceros Ind //.E.G.A. furnace Ga	rie Valbruna // ASC) // Boeler Edelstah oxidables // Sandvik dda 1225-1 or Gadd	I // Cogne Ad	// cciai Spe	eciali //
Other information:		cedure verification of 3-2013 and on 03-03	of furnaces was carrie 3-2016	ed out under s	supervisi	ion of qualifying
Qualification expires:	10-August-2028				73	19
	Tested and	d Qualified Th	ickness and W	/eight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece we (kg)	eight	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
	Qualifi	cation/accept	ance signature	es		
Manufacturer:	Prepared by/Date: O. Qamar 05-Aug-2023		Checked by/Date: M. Arrigoni 05-Aug-2023			

- 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.
- 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): AS

Gamle Forusveien 53 4033 STAVANGER Initial approval date: 10-August-2023 Expiry annual date: 10-August-2026 Signature: Wiko

Par Touter MS

M M.E.G.A.		ification Te RSOK M-65			QTR. I	No.: QTR-Q4
MILICIAL						
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chie www.mega-spa.coi	esa 3, Scanzorosciat m	e – Bergamo – Italy			
Reference standard	Norsok M-650 Edit	ion 4				
Material designation and MDS No.:	ASTM A182 F44 – Norsok M-630 - ME IOGP S563 - MDS					
Manufacturing summary doc. No.:	MS-FIT-F44	0			Rev. N	o.: 2
Products and manufacturing process(es):	Forged Body Valve according to ASME Closed-die forging		orged Flanges (bod	y and hub),	Forged \$	Steel Fittings
Mandatory conditions and sub-contractors:	Starting material su Acciaierie Valbruna Heat treatment in M Tests subcontracte	a // Boeler Edelstah //.E.G.A. furnace Ga d to MEGA-LAB	I // Cogne Acciai S	peciali // F a 1272-F2	oroni //	
Other information:		cedure verification o 3-2013 and on 03-03		ed out unde	er superv	sion of qualifying
Qualification expires:	05-August-2028					
	Tested an	d Qualified Th	ickness and W	/eight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg		Qualified weight (kg)
Forged body valves	TC-000002-99-0037	78	78	8.5		17
Forged outlets	TC-000002-13-0001	32.5	35.75	6		12
Forged flanges – body	TC-000002-99-0037	36.5	40.15	12		24
Forged flanges – hub	TC-000002-99-0037	80	80	12		24
	Qualifi	cation/accept	ance signature	es		
Manufacturer:	Prepared by/Date: O. Qamar 05-Aug-2023		Checked by/Date: M. Arrigoni	 N		

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.
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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53

Initial approval date: 05-August-2023 Expiry annual date: 05-August-2026

Signature: Mika Buxluku

Ber Weeker PUS

4033 STAVANGER

			TM			
M			est Record		QTR. I	Vo.: QTR-Q7
M.E.G.A.	NOR	ORSOK M-650 Edition 4			Rev. N	o.: <mark>11</mark>
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chies www.mega-spa.com		e – Bergamo – Italy			
Reference standard	Norsok M-650 Editio	n 4				
Material designation and MDS No.:	ASTM A182 F53 - N ASTM A815 UNS S3					
Manufacturing summary doc. No.:	MS-FIT-F53		4		Rev. No	o.: 4
Products and manufacturing process(es):	Forged Body Valves according to ASME I Closed-die forging an	316.11; Forged tee				Steel Fittings
Mandatory conditions and sub-contractors:	Starting material sup Acerlava – Aceria de (Freital or Siegen) // Heat treatment in M. Tests subcontracted	Alava // Acciaierie Boeler Edelstahl // E.G.A. furnace Ga	Cogne Acciai Speci	ali // Foroni		
Other information:	Heat treatment proce company on 13/-06-2			ed out unde	er supervi	sion of qualifying
Qualification expires:	10-August-2028			2		
		Qualified Thi	ickness and W			
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg,		Qualified weight (kg)
Forged body valves	TC-000002-99-0038	78	78	8.5		17
Forged outlets	TC-000002-13-0001	32.5	35.75	6		12
Forged flanges – body	TC-000002-99-0038	36.5	40.15	12		24
Forged flanges – hub	TC-000002-99-0038	80	80	12		24
Forged Tees (B16.9)	TC-TEE-F53-QTR29-001	107	107	12		24
		ation/accepta	ance sign <mark>atur</mark> e	es		
Manufacturer:	Prepared by/Date:		Checked by/Date:			

Remarks/Special remarks:

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.

M. Arrigoni

30-Aug-2023

- 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.
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Qualified/Accepted by (company name/address):
MRC Global Norway AS

O. Qamar

30-Aug-2023

Gamle Forusveien 53

Initial approval date: 10-August-2023 Expiry annual date: 10-August-2026

Signature: Mike Berlenter

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M		ification Te	G	QTR. No.: QTR-Q10	
M.E.G.A.	NOF	RSOK M-65	0 Edition 4	F	Rev. No.: <mark>11</mark>
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chie www.mega-spa.cor		e – Bergamo – Italy		
Reference standard	Norsok M-650 Editi	on 4			
Material designation and MDS No.:		orsok M-630 MDS D54 r 2018 - MDS ID254 R			-
Manufacturing summary doc. No.:	MS F55			F	Rev. No.: 10
Products and manufacturing process(es):	Forged Body Valve according to ASME Closed-die forging a	B16.11	orged Flanges (bod	y and hub), Fo	orged Steel Fittings
Mandatory conditions and sub-contractors:	Boehler Edelstahl //	le Alava // Acciaierie / Cogne Acciai Spec 1.E.G.A. furnace Ga	e Valbruna // BGH E siali // Foroni // Italfo dda 1225-1 or Gado	nd // Sandvik	(Freital or Siegen) //
Other information:	Heat treatment proc company on 13/-06	cedure verification o -2013, on 03-03-20	f furnaces was carri 16 and on 22-11-20	ed out under s 23	supervision of qualifying
Qualification expires:	10-August-2028				
	Tested and	d Qualified Th	ickness and W	Veight	-
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece we (kg)	eight Qualified weigh (kg)
Forged body valves	TC-VALV-F55-QTR Q10	78	78	8.5	17
Forged outlets	TC-OLET-F55-QTR Q10	32.5	35.75	6	12
Forged flanges – body	TC-FLNG-F55-QTR Q10	36.5	40.15	12	24
Forged flanges – hub	TC-FLNG-F55-QTR Q10	80	80	∩ 12	24
	Qualifi	cation/accept	ance signatur	es	
Manufacturer:	Prepared by/Date: O. Qamar 01-Sep-2023	·fo.	Checked by/Date: M. Arrigoni 01-Sep-2023	Im	-

- 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.
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Qualified/Accepted by (company pame/addreas)

Gamle Forusveien 53 4033 STAVANGER

Initial approval date: 10-August-2023
Expiry annual date: 10-August-2026
Signature: Mike Burlingul
Burlingul

M			est Record		QTR. N	o.: QTR-Q13
M.E.G.A.	MIEIGIAI NORSOK M-650 Edition 4				Rev. No	o.: 9
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiese www.mega-spa.com		e – Bergamo – Italy			
Reference standard	Norsok M-650 Edition	n 4				V-1-1-1
Material designation and MDS No.:	ASTM B381 F2 – MI	OS T24 Rev.1				
Manufacturing summary doc. No.:	MS-FIT-TI			,	Rev. No	: 3
Products and manufacturing process(es):	Forged Body Valves, according to ASME E Closed-die forging ar	B16.11	orged Flanges (body	and hub), F	orged S	teel Fittings
Mandatory conditions and sub-contractors:	Pieces forged as close Starting material sup Acciaierie Valbruna / No heat treatment: c furnace Gadda 1225 Tests subcontracted	pplied by: // Baoji Mingkun // ooling in still air aft i-1 or Gadda 1272-	Cogne Acciai Speci	iali		M.E.G.A.
Other information:	Heat treatment proce company on 13/-06-2 Products supplied in be heat treated (anno	2013, 03-03-2016 a "as forged" conditi	and 21-11-2023 on. If mechanical pro	operties are r		
	Tested and	Qualified Thi	ickness and W	eight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece w (kg)	veight	Qualified weight (kg)
Forged body valves	TC-VAL-TI-QTR Q13-001 TC-VAL-TI-QTR Q13-002	78	97.5	4.7		9.4
Forged outlets	TC-MG-TI-QTR Q13-001 TC-MG-TI-QTR Q13-002	32.5	40.62	3.5		7
Forged flanges – body	TC-FL-TI-QTR Q13-001 TC-FL-TI-QTR Q13-002	36.5	45.62	6.5		13
Forged flanges – hub	TC-FL-TI-QTR Q13-001 TC-FL-TI-QTR Q13-002	80	100	6.5		13
	Qualific	ation/accepta	ance sign <mark>ature</mark>	S		
	Prepared by/Datg:					

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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53

4033 STAVANGER

Initial approval date: 22-Dec-2023

Expiry date: 22-Dec-2026
Signature: Mika / Buxleeckee

M	Qual	ification Te		QTR. N	lo.: QTR-Q30	
M.E.G.A.	NOF	RSOK M-65	0 Edition 4		Rev. N	o.: <mark>2</mark>
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Ch www.mega-spa.c		sciate – Bergamo –	Italy		
Reference standard	Norsok M-650 Ed	ition 4				
Material designation and MDS No.:			044 Rev. 6 and <mark>MD</mark> – MDS D43 Rev. 6			Rev.1
Manufacturing summary doc. No.:	MS 12192-T6				Rev. N	o.: <mark>3</mark>
Products and manufacturing process(es):	Forged tees 4" ar Closed-die forging		refer to Flow Chart	FC-Q30		
Mandatory conditions and sub-contractors:	Starting material starting materials Forgings up to 6" treated bored. Heat treatment by Production test canot exceed 130 m	supplied by: refer included heat trea / M.E.G.A. S.p.A - arried out on carro nm	ra Riganti. Minimui to Raw Material Su ated solid (i.e. as fo - Furnace Gadda 1 ot of the main run. 7	uppliers Li orged). Fo 225-1 or The diame	st SVL-0 rgings o Gadda 1	Q30 ver 6" heat 272 F2
Other information:	Heat treatment pr supervision of qua Mega heat treatm 03/03/2016, witne	ocedure verification alifying company ment procedure ver essed by qualifying	redited to ISO 1702 on of furnace Gado 13/06/2013 and 03 rification of Furnace company. Verification and 21/11/2023	la 1225-1 /03/2016 e Gadda ation was	1272 F2	was carried ou
	Tested and	d Qualified Th	ickness and W	eight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg		Qualified weight (kg)
Forged tees	TC-TEE-F51-QTR Q30-001	175.3	175.3	74		148
	Qualifi	cation/accent	ance signature	S		
Manufacturer:	Prepared by/Date: S. Rossi 18-Dec-2020	/	Checked by/Date: M. Arrigoni 18-Dec-2020			

- 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.
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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53

Initial approval date: 25.07.2025

Annual expiry date: 25.07.2026 Signature: Links Buxleuku

4033 STAVANGER

		ification Te		QTR.	No.: QTR-Q34
M.E.G.A.	NOF	RSOK M-65	0 Edition 4	Rev.	No.: <mark>2</mark>
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Ch www.mega-spa.c		ciate – Bergamo –	Italy	
Reference standard	Norsok M-650 Ed	ition 4			
Material designation and MDS No.:	ASTM A182 F51 ASTM A815 UNS	and F60 – MDS D S31803 and S322	44 Rev.6 and <mark>MDS</mark> 205 – MDS D43 Re	SDH44 Rev.1 ev.6 6 and MDS	DH43 Rev.1
Manufacturing summary doc. No.:	MS T10-F51			Rev.	No.: 2
Products and manufacturing process(es):	Forged tees 10" a	and above g and machining; ı	efer to Flow Chart	FC-Q34	
Mandatory conditions and sub-contractors:	Starting material Tees are forged i Heat treatment by Production test common carrot of	supplied by: refer to n solid shape and y: M.E.G.A. S.p.A arried out on the co diameter 130 mm	ra Riganti. Minimur to Raw Material Su heat treated bored – Furnace Gadda arrot taken out fror (ISO 17025 accre	ippliers List SVL 1272 F2 n the forging ma	Q34
Other information:	Mega heat treatm	nent procedure ver ny. Verification wa	ification was carries s repeated and rev	ed out 03/03/201	6, witnessed by ying company
	Tested an	d Qualified Th	ickness and W		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forged tees	TC-TEE-F51-QTR Q34-001	130	130	255	All
		ication/accept	ance signature	S	
Manufacturer:	Prepared by/Date: S. Rossi 18-Dec-2020	/	Checked by/Date: M. Arrigoni 18-Dec-2020		
 the above listed produce. This acceptance does the essential variables. This qualification is exited to MRC Global as "Purother purchasers. In accordance with MR 	this QTR are evaluated cts and materials. not exempt any purchas	ser from his responsibion MRC Global as "Qual pal assumes no liability nes and procedures, the	lity to ensure that this quifying Company" solely for the use of or reliance validity of the qualification.	ualification is valid f for the supply of the ce on this qualificati	or his products within above listed product on/ acceptance by 1 year from the initial
Qualified/Accepted			Initial approval		
ADC CL	ahal Norwa	v AS	Annual expiry of Signature: M/	late: 25.07.20	26 ,
Cam	le Forusveien 5. 33 STAVANGER	3	Bui	beeterfle	5

M			est Record	(QTR. No.: QTR-Q35		
M _I E _I G _I A _I	NOR	RSOK M-65	F	Rev. No.: <mark>3</mark>			
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Ch www.mega-spa.co		sciate – Bergamo –	· Italy	,		
Reference standard	Norsok M-650 Ed	ition 4					
Material designation and MDS No.:	ASTM A182 F51	and F60 – MDS D)44 Rev.6		5		
Manufacturing summary doc. No.:	MS T30-F51	MS T30-F51					
Products and manufacturing process(es):	Forged tees 30" a	and above. Open-	die forging and ma	chining;			
Mandatory conditions and sub-contractors:	Böhler Edelstahl / Tees are forged in Heat treatment by Production test ca Maximum carrot of	erie Valbruna // B // Cogne Acciai Sp n solid shape and /: M.E.G.A. S.p.A arried out on the columeter 650 mm	GH Edelstahlwerke beciali // Foroni // It heat treated bored – Furnace Gadda arrot taken out fror	alfond // Sa l. 1272 F2 or n the forging	ndvik 1225/1 g main bore.		
Other information:	Mega heat treatm qualifying compar 14/12/2016 and o	ny. Verification wa	rification was carrients repeated and rev	ed out 03/03 viewed by q	3/2016, witnessed by ualifying company		
Qualification expires:	30 August 2029						
	Tested and	d Qualified Th	ickness and W				
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece w (kg)	veight Qualified weight (kg)		
Forged tees	TC-TEE-F51-QTR Q35-001	350	350	3000	All		
		cation/accept	ance signature	ŝ			
Manufacturer:	Prepared by/Date: O. Qamar 26-May-2023		Checked by/Date: M. Arrigoni 18-May-2023	/			

- 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.
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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53
4033 STAVANGER

Initial approval date: 30-Aug-2024 Expiry annual renewal: 30-Aug-2026

Signature: Mika Buxleutel

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M		ification T		QTR. No.: QTR-F51-FSG-TEE		
M.E.G.A.	NOR	RSOK M-650 Edition 4	Rev. I	Vo.: 0		
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiesa www.mega-spa.com	3, Scanzorosciate –	Bergamo – Italy	•		
Reference standard	Norsok M-650 Edition	4				
Material designation and MDS No.:	ASTM A182 F51 (UNS ASTM A815 UNS S31 IOGP S563 December EN ISO 17782:2018	803 – MĎS D43 Rev		4 Rev. 01		
Manufacturing summary doc. No.:	MS-F51-FSG-TEE			Rev. No	o.: 1	
Products and manufacturing process(es):	Forged products 3" an Manufactured by open dimension		ers, rings and caps. I block, rough machined	d, solution annealed a	nd machined to final	
Mandatory conditions and sub-contractors:	Cogne Acciai Speciali Forgemaster: Forgiatu Minimum forging ratio Forgings are heat trea	Acerlava // BGH Edel // Foroni // Italfond // ra San Giorgio 5:1 ted bored ned by M.E.G.A., furr	nace to be used: Gadda		tahl //	
Other information:	03/03/2016		d out under supervisior		y on 13/06/2013 and	
	Tested an	d Qualified T	hickness and \	Weight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Forged fittings	TC-TEE-F51-QTR Q31-001	245	245	175	350	
	Qualif	içation/accep	tance signatui	res		
Manufacturer:	Prepared by/Date: S. Rossi 20-Jan-2021	righ	Checked by/Date: M. Arrigoni 20-Jan-2021	1 Mr.		

- 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.
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Qualified/Accepted by (company name/address):

Initial approval date: 20-Jan-2021

Expiry date: 19-Jan-2026
Signature: Mike Buxlevlev Jl

Gamle Forusveien 53 NO-4033 STAVANGER

M			est Record		R. No.: R-F53-FSG-TEE
M.E.G.A.	NOR	SOK M-65	50 Edition 4	Rev	. No.: 0
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiesa 3 www.mega-spa.com	3, Scanzorosciate – E	Bergamo – Italy		
Reference standard	Norsok M-650 Edition 4	4			
Material designation and MDS No.:	ASTM A182 F53 – MD: IOGP S563 December EN ISO 17781:2017				
Manufacturing summary doc. No.:	MS-F53-FSG-TEE			Rev.	No.: 0
Products and manufacturing process(es):	Open-die forged fittings	s rough machined, so	olution annealed and m	achined to final dim	ension
Mandatory conditions and sub-contractors: Other information:	Starting material suppli Acciaierie Valbruna // A Böhler Edelstahl // Cog Forging activities perfor Products are forged in s Products with higher thi Heat treatment perform Testing subcontracted to Pickling subcontracted Heat treatment procedurepeated on 03/03/2016	Acerálava // ASO Side ne Acciai Speciali // I rmed by Forgiatura S solid shape, and may icknesses are heat tr led by M.E.G.A., furn to MEGA-LAB (ISO 1 to BAMA (applicable ure verification carrier	Italfond // Sandvik san Giorgio / be heat treated solid u reated bored, with maxi ace to be used: Gadda 17025 accredited) only if there are surface	up to maximum thicl imum thickness 155 a 1225-1 ses not fully machine	kness 155 mm. mm.
	Tested and	d Qualified T	hickness and \	Weight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forged fittings	TC-TEE-F53-QTR Q31-001	245	245	853	All
	Qualifi	cation/accep	tance signatui	res	
Manufacturer:	Prepared by/Date: S. Rossi 20-Jan-2021	wh	Checked by/Date: M. Arrigoni 20-Jan-2021	A MAG	

- 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.
- 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
- 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: 20-0....
Expiry date: 19-Jan-2026
Signature: Mika Benluku (M. Benluku)

NO-4033 STAVANGER



M		fication To		QTR. No.: QTR-F53-RIG-TEE		
M _I E _I G _I A _I	NOR	SOK M-650 Edition 4			Rev. No	o.: 0
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiesa www.mega-spa.com	3, Scanzorosciate – E	Bergamo – Italy			
Reference standard	Norsok M-650 Edition	4				
Material designation and MDS No.:	ASTM A182 F53 – MD IOGP S563 December EN ISO 17781:2017				ev.6	
Manufacturing summary doc. No.:	MS-F53-RIG-TEE				Rev. No.:	0
Products and manufacturing process(es):	Hammer forged tees, fo	orged to shape in clo	se dies, solution annea	led and mach	nined to fin	al dimension
Mandatory conditions and sub-contractors:	Starting material suppli Acciaierie Valbruna // A Böhler Edelstahl // Cog Pieces forged as close Heat treatment by: M.E • Furnace Gado • Furnace Gado Production test carried Testing subcontracted in	Aceralava // ASO Side ine Acciai Speciali // I as possible to final s i.G.A. either in da 1225-1, or da 1272-F2 out on the carrot take to MEGA-LAB (ISO 1	talfond // Sandvik hape by Forgiatura Rig en out from the forging 7025 accredited)	ganti. Minimur main bore. M	n forging ra	atio 4:1
Other information:		on 11-12/06/2013, a	l out under supervisior nd one more time on 2 on 13-14//06/2016 and	2-3/03/2016	, ,	
	Tested an	d Qualified TI	nickness and \	Weight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg)	weight	Qualified weight (kg)
Forged fittings	TC-TEE-F53-QTR Q28-001	175.3	175.3	74		148
	Qualifi	cation/accep	tance signatui	res		
Manufacturer:	Prepared by/Date: S. Rossi 20-May-2021	wh	Checked by/Date: M. Arrigoni 20-May-2021	1 Mr.		

- 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: 20-May-2021

Expiry date: 19-May-2026

Signature: ///ka Bex level

NO-4033 STAVANGER



M		ification To	QTR. I QTR-F	No.: 155-ODO-TEE	
M.E.G.A.	NOF	RSOK M-65	0 Edition 4	Rev. N	o.: 0
Manufacturer name/address/ Web page:	M.E.G.A. S.p.A. Via C.A. Dalla Chiesa www.mega-spa.com	3, Scanzorosciate – E	Bergamo – Italy		
Reference standard	Norsok M-650 Edition	4			
Material designation and MDS No.:	ASTM A182 F55 – MI IOGP S563 Decembe EN ISO 17781:2017	DS D54 Rev.6 // ASTN r 2018 - MDS ID254 F	1 A815 UNS S32760 – Lev. 01 and MDS ID 25	MDS D53 Rev.6 3 Rev. 01	
Manufacturing summary doc. No.:	MS-F55-ODO-TEE			Rev. No	<i>:</i> 0
Products and manufacturing process(es):	Forged tees by open-ofinal dimension.	die forging in solid sha	pe, rough machined ar	nd bored, solution anne	aled and machined to
Mandatory conditions and sub-contractors:	Böhler Edelstahl // Co Bars forged as close a Heat treatment perform	Acerlava // BGH Edelsigne Accial Special // I as possible to final shamed by M.E.G.A., furnd out on carrot of the rif the forging as heat to to MEGA-LAB (ISO 1)		dvľk Irgica Odobez. Minimu 1272-F2.	
Other information:	Heat treatment proced repeated on 14/12/20	dure verification carrie 16 and on 04-05/06/20	d out under supervision 119	of qualifying company	on 03/03/2016 and
			hickness and \		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forged tees	LT-TEE-F55-QTR Q33	210	210	360	All
		fiçati <mark>ó</mark> n/accep	tance signatui	res	
Manufacturer:	Prepared by/Date: S. Rossi 20-Jan-2021	ryh	Checked by/Date: M. Arrigoni 20-Jan-2021	AMA.	

- 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.
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- 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): PIPING Gamle Forus/veien 53	Initial approval date: 20-Jan-2021 Expiry date: 19-Jan-2026 Signature: Mika Bux level for the second date: 20-Jan-2021
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M	Qualification Test Record				QTR. No.: QTR-F51-ITA-PIP			
M.E.G.A.	NORSOK M-650 Edition 4				Rev. No.: 2			
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 (UNS S ASTM A790 UNS S3180 IOGP S563 December 2 EN ISO 17781:2017	03 and S32205 - MD	S D41 Rev.6, MDS DI	H41 Rev.1	₹ev.1			
Manufacturing summary doc. No.:	MS-F51-ITA-PIP Rev. No.: 2							
Products and manufacturing process(es):	Forged pipes manufactured from forged bar, rough machined, solution annealed and machined to final dimension							
	Starting material supplied by: Acciaierie Valbruna // Aceralava // ASO Siderurgica // BGH Edelstahlwerke (Freital or Siegen) // Böhler Edelstahl // Cogne Acciai Speciali // Foroni // Italfond // Sandvik							
Mandatory conditions and sub-contractors:	Pieces forged as close as possible to final shape by Italfond. Minimum forging ratio 4:1							
	Heat treatment performed by M.E.G.A. Furnace to be used: Gadda 1272-F2 – maximum length: 6.50 m							
	Testing subcontracted to MEGA-LAB (ISO 17025 accredited)							
	Pickling subcontracted to BAMA							
Other information:	Heat treatment procedu repeated on 04-05/06/2	re verification carried 019 and <mark>21/11/2023</mark>	l out under supervisior	of qualifying company	on 02-03/03/2016 and			
	This document QTR-F5							
			nickness and					
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)			
Forged pipes (MEGA Gadda 1272-F2)	TC-PIPE-F52-QTR19-001T LT-PIPE-F52-QTR Q19/1	100	100	Greater than 250	All			
		çation/accep	tance signatu	res				
Manufacturer:	Prepared by/Date: S. Rossi 20-Jan-2021	ofh	Checked by/Date: M. Arrigoni 20-Jan-2021	Am.				

- 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.
- 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.
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- 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: 25.07.2025

Expiry date (annual renewal): 25.07.2026
Signature: Mika Excluder

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M	Qualification Test Record			QTR. No.: QTR-F53-ITA-PIP				
M.E.G.A.	NOR	NORSOK M-650 Edition 4			Rev. No.: 4			
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	1						
Material designation and MDS No.:	ASTM A182 F53 – MDS D54 Rev.6 // ASTM A790 UNS S32750 – MDS D51 Rev.6 IOGP S563 December 2021 - MDS ID254 Rev. 02 and MDS ID 251 Rev. 01 EN ISO 17781:2017							
Manufacturing summary doc. No.:	MS-F53-ITA-PIP Rev. No.: 3					3		
Products and manufacturing process(es):	Forged pipes manufactured from forged bar, rough machined, solution annealed and machined to final dimension							
Mandatory conditions and sub-contractors:	Starting material supplied by: Acciaierie Valbruna // Aceralava // ASO Siderurgica // BGH Edelstahlwerke (Freital or Siegen) // Böhler Edelstahl // Cogne Acciai Speciali // Italfond // Sandvik Pieces forged as close as possible to final shape by Italfond. Minimum forging ratio 4:1 Heat treatment performed by M.E.G.A., furnace to be used: Gadda 1272-F2 (maximum length: 6.50 m) Testing subcontracted to MEGA-LAB (ISO 17025 accredited) Pickling subcontracted to BAMA							
Other information:	Heat treatment procedure verification carried out under supervision of qualifying company: Sorbit F1 on 04/04/2014 and repeated under supervision of SGS on 17/06/2014 M.E.G.A. Gadda 1272-F2 on 02-03/03/2016, repeated on 04-05/06/2019 and on 22-11-2023							
Qualification expires:	30 August 2029							
Tested and Qualified Thickness and Weight								
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg,		Qualified weight (kg)		
Forged pipes (MEGA Gadda 1272-F2)	TC-PIPE-F53-QTR18-001T LT-PIPE-F53-QTR Q18/1	100	100	Greater th	an 250	All		
	Qualif	ication/accep	tance signatu	res				
Manufacturer:	Prepared by/Date: S. Rossi 07-Sep-2021	Juf h	Checked by/Date: M. Arrigoni 07-Sep-2021	In.				

- 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.
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- 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):
VIRC GIODAI NOTWAY AS

Gamle Forusveien 53 4033 STAVANGER Initial approval date: 30.08.2024 Expiry annual date: 30.08.2026

Signature: Mike Bewlinker

Beix Tentals

M	Qualification Test Record				QTR. No.: QTR-F55-ITA-PIP		
M.E.G.A.	NOF	ORSOK M-650 Edition 4			Rev. No.: 4		
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	1 4					
Material designation and MDS No.:		ASTM A182 F55 – MDS D54 Rev.6 // ASTM A790 UNS S32760 – MDS D51 Rev.6 IOGP S563 December 2021 - MDS ID254 Rev. 02 and MDS ID 251 Rev. 01 EN ISO 17781:2017					
Manufacturing summary doc. No.:	MS-F55-ITA-PIP	MS-F55-ITA-PIP Rev. No.: 2					
Products and manufacturing process(es):	Forged pipes manufactured from forged bar, rough machined, solution annealed and machined to final dimension						
Mandatory conditions and sub-contractors:	Starting material supplied by: Acciaierie Valbruna // Acerlava // BGH Edelstahlwerke (Freital or Siegen) // Böhler Edelstahl // Cogne Acciai Speciali // Foroni // Italfond // Sandvik Bars forged as close as possible to final shape by Italfond. Minimum forging ratio 4:1 Heat treatment performed by M.E.G.A., furnace to be used: Gadda 1272-F2 (maximum length: 6.50 m) Testing subcontracted to MEGA-LAB (ISO 17025 accredited) Pickling subcontracted to BAMA						
Other information:	Heat treatment procedure verification carried out under supervision of qualifying company on 04-05/06/2019 and on 22-11-2023. Previous name of this QTR was Q16						
Qualification expires:	Qualification expires: 30-August-2029						
Tested and Qualified Thickness and Weight							
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece (kg)	0000000 0 00000	Qualified weight (kg)	
Forged pipes (Gadda 1272-F2)	TRS-19-0168-001	100	100	Greater tha	an 250	All	
		fiçation/accep		res			
Manufacturer:	Prepared by/Date: S. Rossi 07-Sep-2021	Jufh	Checked by/Date: M. Arrigoni 07-Sep-2021	In			

Remarks/Special remarks:

- 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.
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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53

Initial approval date: 30-August-2024

Expiry annual date: 30-August-2026

Signature: Milea Buxlguku



M M.E.G.A.	Qualification Test Record NORSOK M-650 Edition 4	QTR. No.: QTR-F55-RIG-TEE Rev. No.: 0					
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 F55 (UNS S31760) & ASTM A815 WP-S UNS S32760 Norsok M-630:2020 – MDS D54 Rev.6 & MDS DH54 Rev. 1 & MDS D53 Rev.6 IOGP S-563 December 2021 - MDS ID254/ID254S Rev. 02 & MDS ID253/ID25 EN ISO 17781:2017	3 & MDS DH53 Rev.1 53S Rev. 01					
Manufacturing summary doc. No.:	MS-F55-RIG-TEE	Rev. No.: 0					
Products and manufacturing process(es):	Hammer forged tees, forged to shape in close dies, solution annealed and machined to final dimension						
Mandatory conditions and sub-contractors:	Starting material supplied by: Aceralava // Acciaierie Valbruna // BGH Edelstahlwerke (Freital or Siegen) // B Speciali // Foroni // Italfond // Sandvik Materials Technology Pieces forged as close as possible to final shape by Forgiatura Riganti. Minimu Heat treatment by: M.E.G.A. either in Furnace Gadda 1225-1, or Furnace Gad Production test carried out on the carrot taken out from the forging main bore. Testing subcontracted to MEGA-LAB (ISO 17025 accredited). Pickling subcontracted to BAMA (applicable only if there are surfaces not fully	um forging ratio 4:1. da 1272-F2. Maximum carrot diameter 195 mm.					
Other information:	Heat treatment procedure verification of furnaces was carried out under super 06-2013, on 03-03-2016 and on 22-11-2023.	vision of qualifying company on 13-					
Qualification expires:	17 December 2030						
	Tested and Qualified Thickness and Weight						
Products and	Test record No. Tested thickness Qualified thickness Test piec	e weight Qualified weight					

Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Forged fittings	TC-TEE-F55-QTR-Q55-RIG	330	330	423	All	
O list the second construction of						

Qualification/acceptance signatures

Prepared by/Date: Manufacturer: S. Appiani 19-May-2025

Checked by/Date: M. Arrigoni 19-May-2025

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.
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Qualified/Accepted by (company name/address):

MRC Global Norway AS

Gamle Forusveien 53 4033 STAVANGER

Initial approval date: 17-December 2025 Expiry annual renewal: 17-December 2026 Signature: Milia Bux lufter