


 <p>COPROSIDER SRL COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY B.V. =ISO 9001:2015=</p>  		<p>NORSOK M-650 Qualification Test Record (QTR) ISO 17782:2018 Manufacturing procedure conformity record (MPCR)</p>		<p>QTR/MPCR No.: 17782-03/A</p> <p>Rev. No.: 2</p> <p>Page #: 1 of 1</p>														
<p>Manufacturer name / address / Plant Web page:</p>	<p>COPROSIDER SRL VIA CASSOLI 7, 29122 PIACENZA - ITALY COPROSIDER Srl, Cold formed division, Via Perotti 2/3/4/6/8 29015 Castel San Giovanni (PC) www.coprosider.it</p>																	
Reference standard	<p>NORSOK M-650 ed 4 / ISO 17782:2018</p>																	
Material designation and MDS No.:	<p>Wrought seamless fittings ASTM A815 UNS S32760 NORSOK M630:2020 MDS D53 rev. 6</p>																	
Manufacturing procedure summary doc. No.:	<table border="1"> <thead> <tr> <th>Route #</th> <th>Manufacturing procedure summary #</th> <th>Rev #</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>MPS 17782-03-01</td> <td>0</td> </tr> <tr> <td>02</td> <td>MPS 17782-03-02</td> <td>0</td> </tr> <tr> <td>03</td> <td>MPS 17782-03-08</td> <td>0</td> </tr> <tr> <td>04</td> <td>MPS 17782-03-09</td> <td>0</td> </tr> </tbody> </table>	Route #	Manufacturing procedure summary #	Rev #	01	MPS 17782-03-01	0	02	MPS 17782-03-02	0	03	MPS 17782-03-08	0	04	MPS 17782-03-09	0		
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Products and manufacturing process(es):	<table border="1"> <thead> <tr> <th>Route #</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Cold formed seamless LR & SR elbows</td> </tr> <tr> <td>02</td> <td>Cold formed seamless equal and reducing tee</td> </tr> <tr> <td>03</td> <td>Hot formed seamless LR & SR elbows</td> </tr> <tr> <td>04</td> <td>Hot formed seamless equal and reducing tee</td> </tr> </tbody> </table>	Route #	Description	01	Cold formed seamless LR & SR elbows	02	Cold formed seamless equal and reducing tee	03	Hot formed seamless LR & SR elbows	04	Hot formed seamless equal and reducing tee							
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Mandatory conditions and sub-contractors:	<p>Furnace F2 (located in Coprosider, Via Perotti 2/4/6/8 in Castel San Giovanni) to be used for all routes, furnace details included in the heat treatment procedure PR 467 rev. 0 Soaking time is measured on the basis of mobile thermocouples Any revision of heat treatment procedure, raw material suppliers and sketches for testes shall be evaluated by the qualifying company whom accepted this QTR/MPCR for evaluation on possible new testing</p>																	
Other information:	<p><i>External laboratories</i> LPM Snc accredit ISO 17025:2005 nr 1598L For sampling sketches for regular production and qualification testing see attached sampling test report and MS/MPS sequence Audit for verification of satisfactory heat treatment procedure No. PR 467-V rev. 0 and 467-Q rev. 1 of Furnace F2 completed in November 2025 by qualifying company LRQA The renewal of the MPCR was carried out through regular productions in compliance with the requirements of the existing qualification. All records and traceability of the productions carried out (HJRS-01 REV 0) were attached to the MOM drawn up with the qualifying company during the initial PIM for the renewal of the qualification. The Concentric and eccentric reducers and ellipsoidal caps are qualified through the qualification of te The elbows SR and R=3D/5D are qualified through the qualification of LR elbow</p>																	
Tested and Qualified Thickness																		
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Prototype - Test pieces description														
Route 01	ELB-6-17782-3	14,27	17,83	90° LR Elbows 6" W.th. 14,27 mm														
Route 02	TEE-6-17782-3	14,27	17,84	Equal Tee 6" W.Th. 14,27 mm														
Route 03	ELB-6-17782-3	21,95	27,44	45° LR Elbows 6" W.th. 21,95 mm														
Route 04	TEE-8-17782-3/B	40,00	50,00	RED Tee 295 x 170 W.Th. 36 x 22 mm														
Qualification / Acceptance signatures																		
Manufacturer:	Prepared by / Date: A.SPERONI 11/12/2025	Checked by / Date: A.GROPPI 11/12/2025																
<p>The manufacturer and this QTR/MPCR are evaluated and found to be in compliance with the requirements of NORSOK M-650 & ISO 17782 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 & ISO 17782</p>																		
<p>Qualified / Accepted by (company name / address): LRQA reference Number: PRJ 11100532807 issuing LRQA office</p>		<p>Signature / Date: 22/12/2020 Rev. 0 18/03/2021 Rev. 1 11/12/2025 Rev. 2</p>																
<p>Milan office Viale Monza, 259/265 - 20126 Milano MI</p>																		

 <p>COPROSIDER SRL</p> <p>COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY B.V. ISO 9001:2015</p>   	<p>NORSOK M-650</p> <p>Qualification Test Record (QTR)</p> <p>ISO 17782:2018</p> <p>Manufacturing procedure conformity record (MPCR)</p>	<p>QTR/MPCR No.: 17782-03/B</p> <p>Rev. No.: 2</p> <p>Page #: 1 of 1</p>
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<p>Manufacturer name / address / Plant</p> <p>Web page:</p>	<p>COPROSIDER SRL</p> <p>VIA CASSOLI 7, 29122 PIACENZA - ITALY</p> <p>COPROSIDER Srl, Cold formed division, Via Perotti 2/3/4/6/8 29015 Castel San Giovanni (PC)</p> <p>www.coprosider.it</p>
Reference standard	NORSOK M-650 ed 4 / ISO 17782:2018

Material designation and MDS No.:	Wrought welded fittings ASTM A815 UNS S32760 NORSOK M630:2020 MDS D53 rev. 6
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Manufacturing procedure summary doc. No.:	Route #	Manufacturing procedure summary #	Rev #
	05	MPS 17782-03-05	0
	06	MPS 17782-03-06	0
	07	MPS 17782-03-12	0
	08	MPS 17782-03-13	0

Products and manufacturing process(es):	Route #	Description
	05	Cold formed welded LR & SR elbows
	06	Cold formed welded equal and reducing tee
	07	Hot formed welded LR & SR elbows
	08	Hot formed welded equal and reducing tee

Mandatory conditions and sub-contractors: Furnace F2 (located in Coprosider, div CFF Srl) to be used for all routes, furnace details included in the heat treatment procedure PR 467 rev. 0
Soaking time is measured on the basis of mobile thermocouples
Any revision of heat treatment procedure, raw material suppliers and sketches for testes shall be evaluated by the qualifying company whom accepted this QTR/MPCR for evaluation on possible new testing

Other information: External laboratories
LPM Snc accredit ISO 17025:2005 nr 1598L
For sampling sketches for regular production and qualification testing see attached sampling test report and MS/MPS sequence
Audit for verification of satisfactory heat treatment procedure No. PR 467-V rev. 0 and 467-Q rev. 1 of Furnace F2 completed in November 2025 by qualifying company LRQA
The renewal of the MPCR was carried out through regular productions in compliance with the requirements of the existing qualification except route 06 & 07 which was requalified by retesting a sacrificial sample piece.
All records and traceability of the productions carried out (HJRS-01 REV 0) were attached to the MOM drawn up with the qualifying company during the initial PIM for the renewal of the qualification.
Sub contracted activities : X-Ray examination shall be performed by in EMILTEST Srl
The Concentric and eccentric reducers are qualified through the qualification of tee piece.
The elbows SR and R=3D/5D are qualified through the qualification of LR elbow

Tested and Qualified Thickness

Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Prototype - Test pieces description
Route 05	ELB-8-17782-3	12,70	15,88	90° LR Elbows 8" W.th. 12,70 mm
Route 06	17782-03-06-1	15,00	18,75	Equal Tee 8" W.Th. 15,00 mm
Route 07	17782-03-12-1	40,00	50,00	90° LR Elbows 18" W.th. 40 mm
Route 08	TEE-24-17782-3	24,61	30,76	Red Tee 24" x 18" W.Th. 24,61 x 19,05 mm

Qualification / Acceptance signatures

Manufacturer:	Prepared by / Date: A.SPERONI 11/12/2025	Checked by / Date: A.GROPPI 11/12/2025
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The manufacturer and this QTR/MPCR are evaluated and found to be in compliance with the requirements of NORSOK M-650 & ISO 17782 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 & ISO 17782

<p>Qualified / Accepted by (company name / address):</p> <p>LRQA reference Number: PRJ 11100532807</p> <p>issuing LRQA office</p> <p>Milan office Viale Monza, 259/265 - 20126 Milano MI</p>	<p>Signature / Date:</p> <p>22/12/2020 Rev. 0</p> <p>18/03/2021 Rev. 1</p> <p>11/12/2025 Rev. 2</p>
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