

Nº	MATERIAL	QTY
1	PIPE DN80 THICKNESS 3.2MMS CS P235TR1 EN10216-1 (SEAMLESS)	17m
2	PIPE DN15 THICKNESS 2MMS CS P235TR1 EN10216-1 (SEAMLESS)	17m
3	ELBOW 90° DN80 THICKNESS 3.2MMS RADIUS 3D BW CS P265GH EN10253-1	7
4	ELBOW 90° DN15 THICKNESS 2MMS RADIUS 3D BW CS P265GH EN10253-1	7
5	WN FLANGE DN80 PN16 BW P235TR1 EN1092-1 TYPE 11 (DIN2633)	10
6	WN FLANGE DN15 PN16 BW P235TR1 EN1092-1 TYPE 11 (DIN2633)	10
7	GASKET DN80 PN16 3MMS DIN2690 KLINGERSIL C-4430	6
8	GASKET DN15 PN16 3MMS DIN2690 KLINGERSIL C-4430	6
9	BOLTS M12X55 8.8 DIN933 CS ZN	24
10	BOLTS M16X60 8.8 DIN933 CS ZN	48
11	NUTS M16 8 DIN934 CS ZN	48
12	GROWER WASHERS M16 DIN127 CS ZN	96
13	NUTS M12 8 DIN934 CS ZN	24
14	GROWER WASHERS M16 DIN127 CS ZN	48

UNSPECIFIED WELDS:

70%
JOINT WITHOUT BEVEL

40%
JOINT WITH BEVEL

70%
50-100
70%
50-100

REINFORCEMENT JOINT

80%
PIPE/PROFILE JOINT

40%
40%
PLATE SPLICING

Note: Percentage (%) of the weld in relation to the smallest section of the weld joint.

Non-individual tolerances according to DIN 7168.

Angular Tolerance	Nominal Dimension	0-10	10-50	50-120	120-400	>400	
	Angular Tolerance	±1°	±0,5°	±0,33°	±0,16°	±0,083°	
Linear Tolerance	Nominal Dimension	0-6	6-30	30-120	120-315	315-1000	>1000
	Linear Tolerance	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2

Drawn 3D:
Brajan IDDTEK.

Drawn 2D:
Brajan IDDTEK.

Date:
1/12/2025

1st Dihedral

insertec

Furnaces & Refractories

ISO 5456-2

Designation:
Natural Gas Route

Equipment:
TMT (FVRB-2,7-25)

Rev.
B

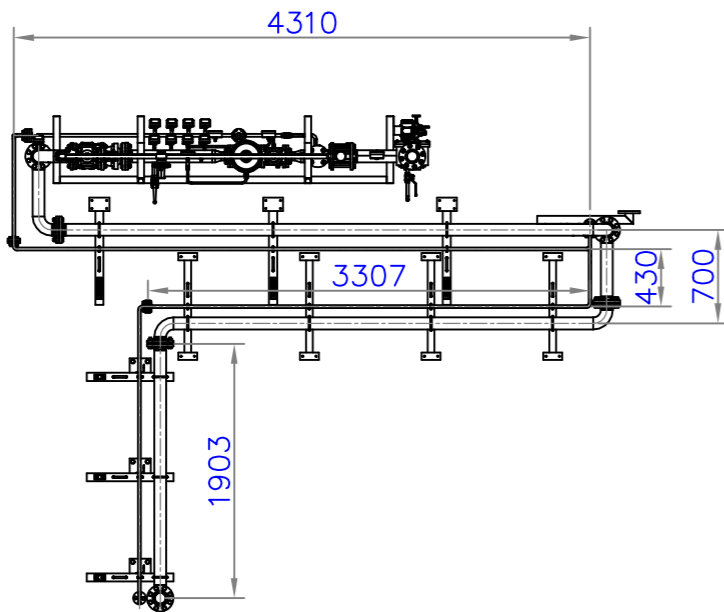
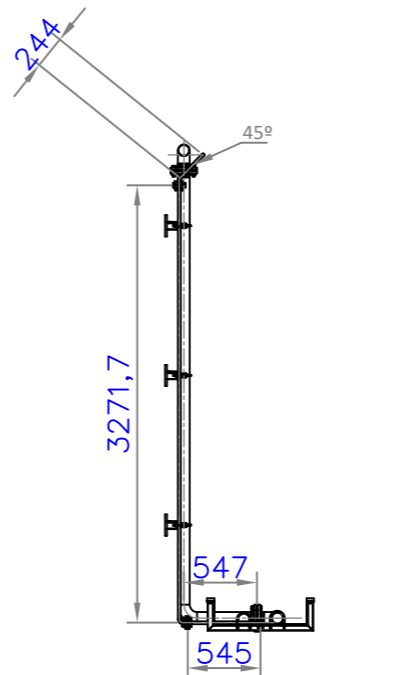
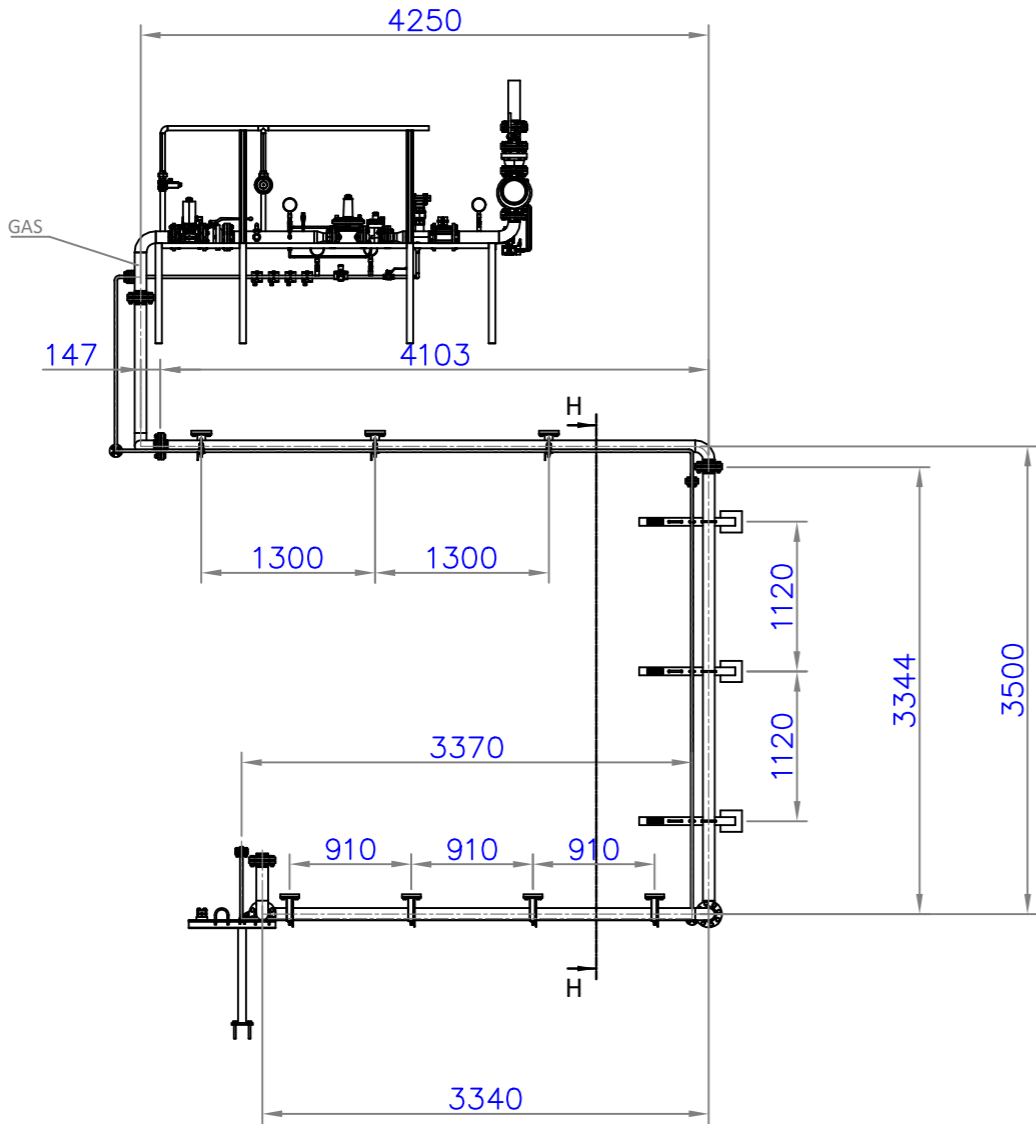
Nº Drawing:
2558-3324-TMT-ESR20

Scale
1:40

Weight (kg)

Sheet
1 of 3

Format
A2



UNSPECIFIED WELDS:

70%

JOINT WITHOUT BEVEL

40%

JOINT WITH BEVEL

70%

50-100

70%

50-100

REINFORCEMENT JOINT

80%

PIPE/PROFILE JOINT

40%

40%

PLATE SPLICING

Note: Percentage (%) of the weld in relation to the smallest section of the weld joint.

Non-individual tolerances according to DIN 7168.						Drawn 3D: Brajan IDDTEK.		<div>insertec</div> <div>Furnaces & Refractories</div>	
Angular Tolerance	Nominal Dimension	0-10	10-50	50-120	120-400	>400	Drawn 2D: Brajan IDDTEK.		
	Angular Tolerance	±1°	±0,5°	±0,33°	±0,16°	±0,083°	Date: 1/12/2025	1st Dihedral	
Linear Tolerance	Nominal Dimension	0-6	6-30	30-120	120-315	315-1000	>1000		
	Linear Tolerance	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2		

Designation:
Natural Gas Route

Equipment:
TMT (FVRB-2,7-25)

Rev.
B

N° Drawing:
2558-3324-TMT-ESR20

Scale 1:40	Weight (kg)	Sheet 2 of 3	Format A2
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Balloon

Pos.

Qty.

B

C

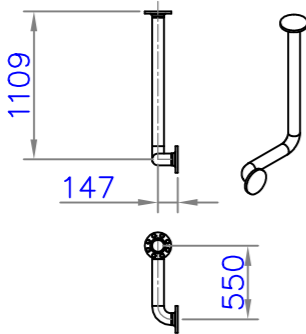
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E

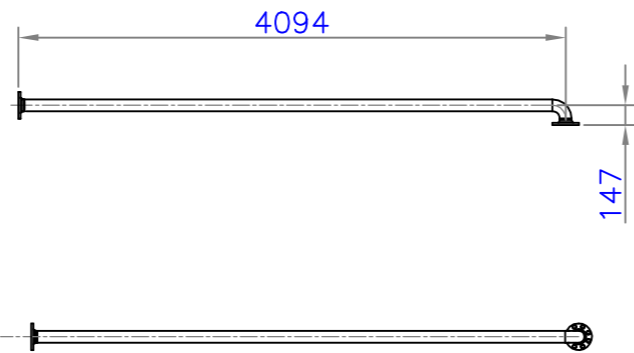
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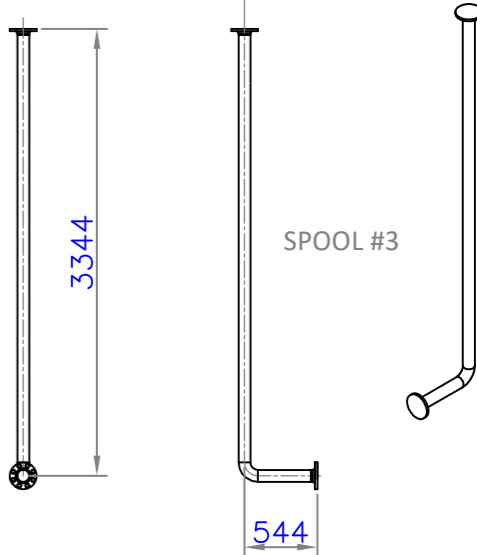
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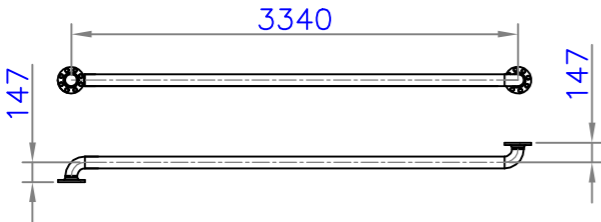
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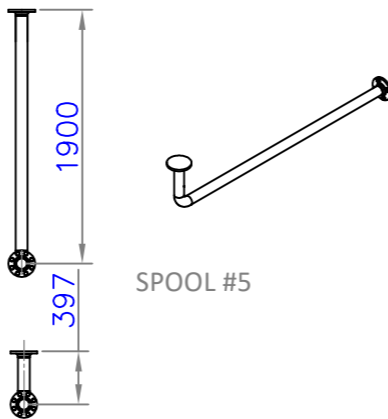
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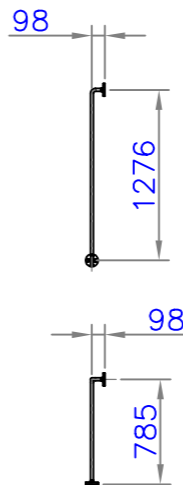
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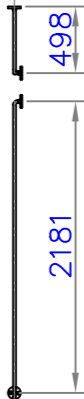
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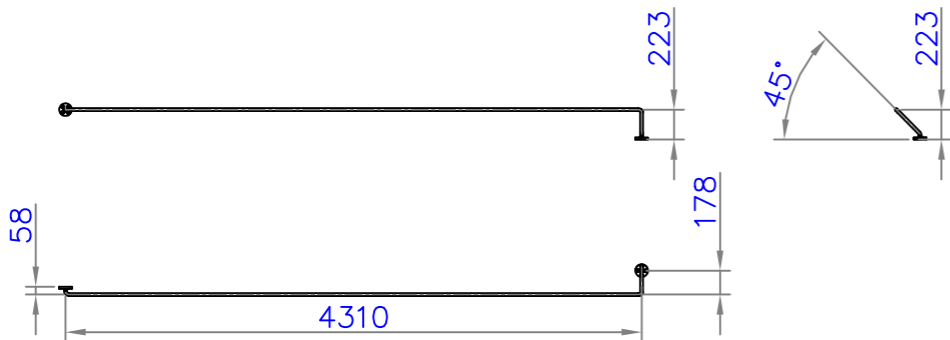
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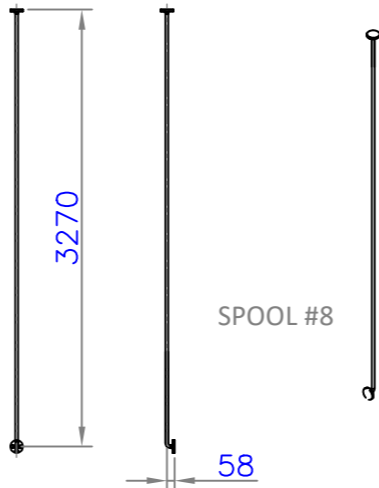
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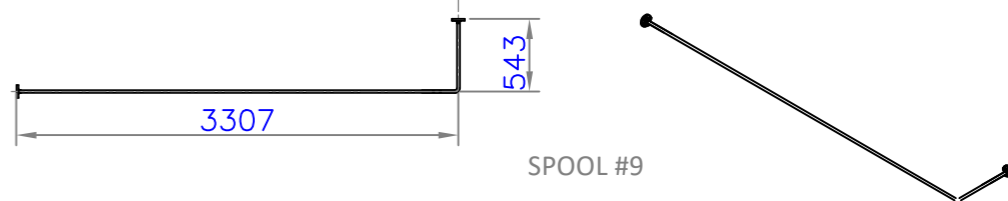
SPOOL #10



SPOOL #7



SPOOL #8



SPOOL #9

UNSPECIFIED WELDS:

Note: Percentage (%) of the weld in relation to the smallest section of the weld joint.

Non-individual tolerances according to DIN 7168.						Drawn 3D: Brajan IDDTEK.		 Furnaces & Refractories	
Angular Tolerance	Nominal Dimension	0-10	10-50	50-120	120-400	>400	Drawn 2D: Brajan IDDTEK.		
	Angular Tolerance	±1°	±0,5°	±0,33°	±0,16°	±0,083°	Date: 1/12/2025	1st Dihedral ISO 5456-2	
Linear Tolerance	Nominal Dimension	0-6	6-30	30-120	120-315	315-1000	>1000		
	Linear Tolerance	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2		

Designation:
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Rev. B

N° Drawing:
2558-3324-TMT-ESR20

Scale 1:40	Weight (kg)	Sheet 3 of 3	Format A2
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A

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