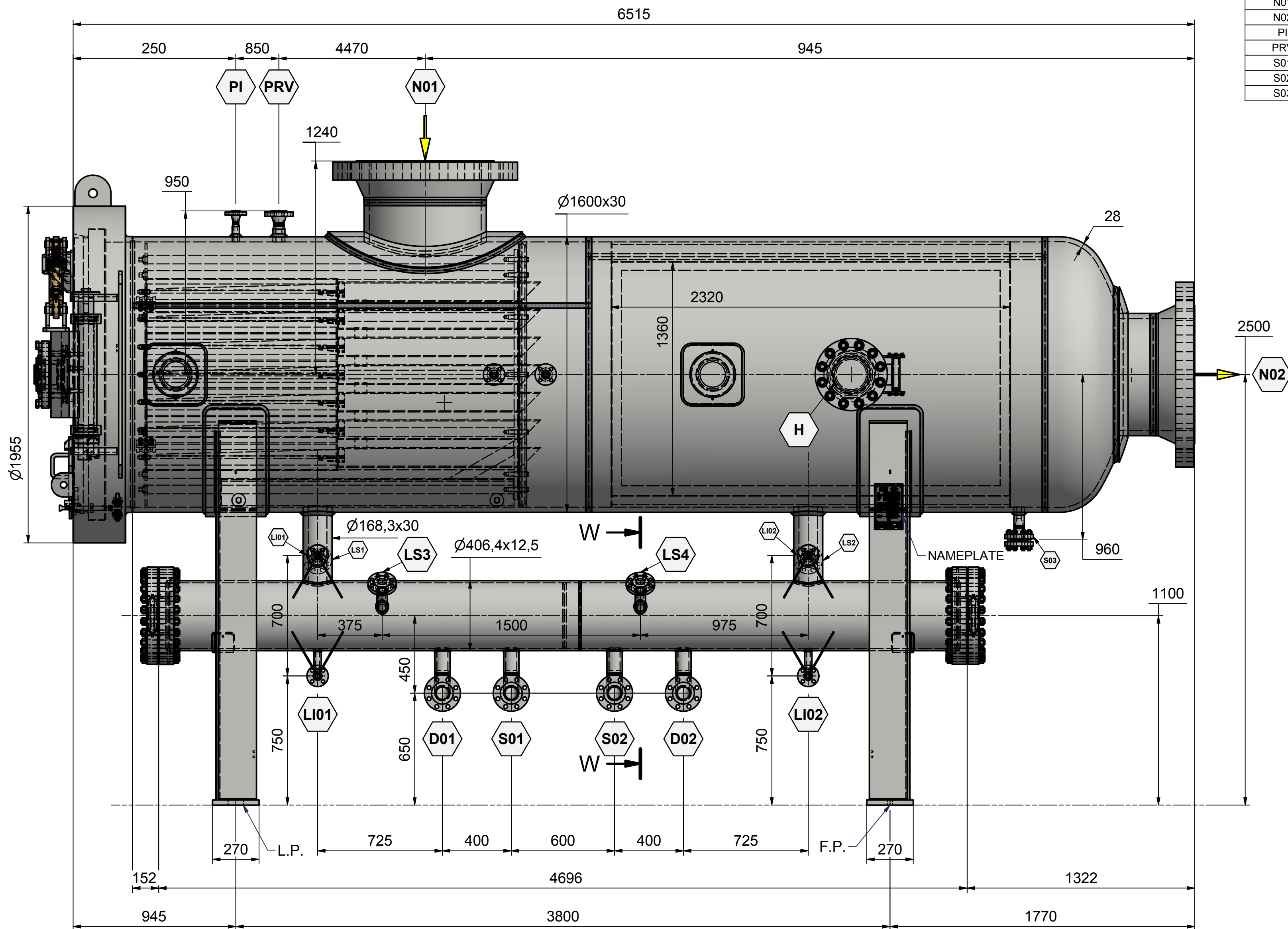


EXECUTION: 3x AS DRAWN



NOZZLE-SCHEDULE				
NOZZLE	DN / PN	STANDARD	SERVICE	REMARKS
D01	DN 3" Class 600 RF	ASME B 16.5	DRAIN 1.STAGE	
D02	DN 3" Class 600 RF	ASME B 16.5	DRAIN 2.STAGE	
DP1	DN 1" Class 600 RF	ASME B 16.5	DP	
DP2	DN 1" Class 600 RF	ASME B 16.5	DP	
H	DN 8" Class 600 RF	ASME B 16.5	HANDHOLE	
LI01	DN 1" Class 600 RF	ASME B 16.5	LI 1.STAGE	
LI02	DN 1" Class 600 RF	ASME B 16.5	LI 2.STAGE	
LS1	DN 2" Class 600 RF	ASME B 16.5	LSHH 1. STAGE	
LS2	DN 2" Class 600 RF	ASME B 16.5	LSHH 2. STAGE	
LS3	DN 2" Class 600 RF	ASME B 16.5	LSLL 1. STAGE	
LS4	DN 2" Class 600 RF	ASME B 16.5	LSLL 2. STAGE	
N01	DN 28" Class 600RF	MSS SP-44	GAS-INLET	
N02	DN 28" Class 600RF	MSS SP-44	GAS-OUTLET	
PI	DN 1" Class 600 RF	ASME B 16.5	PI	
PRV	DN 2" Class 600 RF	ASME B 16.5	PRESSURE RELIEF VALVE	
S01	DN 3" Class 600 RF	ASME B 16.5	SUMP 1.STAGE	
S02	DN 3" Class 600 RF	ASME B 16.5	SUMP 2.STAGE	
S03	DN 2" Class 600 RF	ASME B 16.5	DRAIN	

Berechnung und Auslegung CALCULATION AND DESIGN			EN-13445	Herstellung und Prüfung MANUFACTURING AND TESTING			EN-13445 + PED 2014/68/EU	
Abnahme INSPECTION	TÜV			Fabrik-Nr. SERIAL NO.	19.6323/1-3	Baujahr YEAR BUILT	2019	
Leermasse TARE MASS	19775 kg			Höchstfüllmasse MAX. FILLING MASS	11360			kg
Sicherheitsfaktor SAFETY FACTOR	1,8	bezogen auf die Streckgrenze bei maximal zulässiger Temperatur at max. allow. temperature for yield strength						
Kategorie CATEGORY	IV	Modul MODULE	G	CE-Kennzeichnung CE-MARKING		YES		
Berechnungsdaten DATES FOR CALCULATION				Mantelraum SHELLSIDE		Bemerkung REMARK		
max. zulässiger Druck MAX. ALLOWABLE PRESSURE			PS	73,5 bar				
Prüfdruck TEST PRESSURE			PT	110,25 bar				
zulässige min./max. Temperatur ALLOWABLE MIN./MAX. TEMPERATURE			TS	-20/+85 °C				
Volumen VOLUME			V	11360 L				
Korrosionszuschlag CORROSION ALLOWANCE				1,5 mm				
Medium MEDIUM				Erdgas NATURAL GAS				
Fluidgruppe FLUIDGROUP				1				
Dichtheitsprüfung LEAK-TEST				WITH AIR OR NITROGEN 6 barg				
Durchstrahlungsprüfung gemäß RADIOGRAPHY ACC.				ACC. EN 13445 but DN ≥ 2", 100% X-RAY				
Druckschwankungsbreite: vorwiegend statisch im Sinne der EN 13445-3 Abs. 5.4.2 PRESSURE FLUCTUATION: MAINLY STATIC IN ACC. EN 13445-3 SEC. 5.4.2								
Externe Stützensusatzlasten wurden nicht berücksichtigt EXTERNAL NOZZLE LOADINGS ARENT CONSIDERED								
Prüfgruppe gemäß EN 13445-3: 1a QUALIFICATION CLASS ACC. DIN EN 13445-3: 1a								

Ausführung / VERSION:

3x wie gezeichnet, Gasflußrichtung: links>rechts

3x AS DRAWN, FLOW DIRECTION: LEFT> RIGHT

Anforderungen an Werkstoffe / REQUIREMENT OT MATERIALS:

Alle druckbeaufschlagten Materialien mit WAZ 3.2 (Werkstoffhersteller mit QMS)  
ALL PRESSURIZED MATERIALS WITH CERTIFICATE 3.2

Zur Vermeidung von Sprödbrech gelten die Anforderungen gemäß DIN EN 13445-2 Anhang B.  
Zur Anwendung kommen die Verfahren 1 und Verfahren 2.  
TO AVOID BRITTLE FRACTURE, THE REQUIREMENTS IN ACC. WITH DIN EN 13445-2 ANNEX B APPLY. THE METHODS 1 AND 2 ARE USED.

Zerstörungsfreie Prüfungen / NON DESTRUCTIVE EXAMINATION:

Prüfumfang gemäß DIN EN 13445-5 Tabelle 6.6.2-1 für Prüfgruppe 1a muß eingehalten werden.  
Prüfverfahren, Techniken, Fehlerklassifizierung und Zulässigkeitskriterien gemäß Tabelle 6.6.3-1.

TEST PROCEDURE, SCALE OF TESTING AND ACCEPTANCE CRITERIEN ACC. DIN EN 13445-5 TABLE 6.6.2-1 and TABLE 6.6.3-1. **QUALIFICATION CLASS: 1a**

Durchstrahlungsprüfung (RT): 100% RN (DN >= 2") und LN  
RADIOGRAPHY TEST: 100% CIRCUMFERENTIAL SEAMS (DN >= 2") AND LONGITUDINAL SEAMS

Farbeindringprüfung (PT): 100% < DN 2" sowie Stützeineinschweißungen und alle nicht durchstrahlten  
Schweißnähte, alternativ Magnetpulvernüßprüfung (MT)  
DYE PENETRANT TEST 100% < DN 2" AND NOZZLE CONNECTION, ALL OTHER WELDS  
ALTERNATIVE MAGNETIC PARTIAL EXAMINATION

US-PRÜFUNG (UT): 100% Stützeineinschweißung > DN 6"  
ULTRASONIC TEST 100% NOZZLE CONNECTION > DN 6"

Arbeitsprüfungen: gemäß DIN EN 13445-4 Abs. 8  
WELD SAMPLES: ACC. DIN EN 13445-4 Section 8

Härteprüfungen: NEIN  
HARDNESS TESTS: NO

Wärmebehandlung: NEIN  
HEAT TREATMENT: NO

Schweißen / WELDING:

Schweißnahtfaktor LN: 1,0 / 0,85 Schweiß-Verfahren mit Charpy V / ISO-V bei -20°C  
WELD EFFICIENCY WELDING PROCEDURE WITH CHARPY V OR ISO-V AT -20°C

Alle Schweißnähte für drucktragende Teile, gegengeschweißt (soweit technisch möglich)  
ALL SEAMS OF PRESSURE PARTS, WELDED BACK SEAMS AT MAIN SEAMS (AS FAR AS TECHN. POSSIBLE)

Alle unbemaßten Kehlnähte sind mit a>= 0,7 x s, mindestens a = 3 mm auszuführen.  
Kehlnähte sind umlaufend spaltfrei zu verschweißen.  
ALL UNDIMENSIONED HOLLOW WELD a >= 0,7 x s, minimum amin.= 3 mm BE CARRIED OUT

Oberflächenbehandlung / SURFACE PREPARATION:

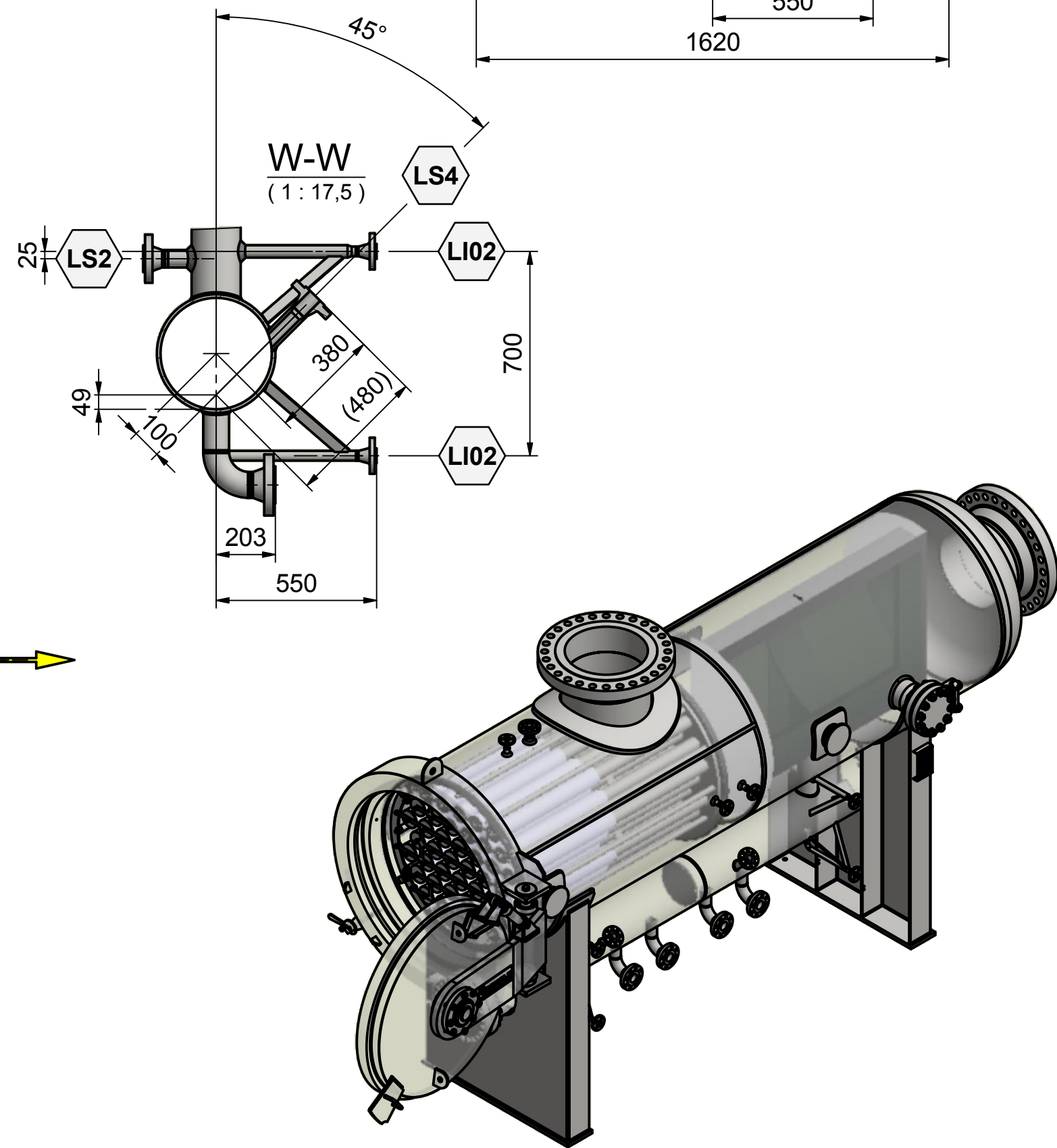
SURFACE PREPARATION: INSIDE AND OUTSIDE SANDBLASTED ACC. DIN EN ISO 12944 Grade 2,5

OUTSIDE SURFACE: COATING CATEGORY ACC.: DIN EN ISO 12944-2: C4

- primer oat: 2 component zinc rich epoxy, DFT: 60µm  
- intermediate coat: 2 component high solid epoxy, DFT: 100µm  
- top coat: 2 component polyurethane, DFT: 100µm  
TDT: 240µm, **RAL 9006** (white aluminium)

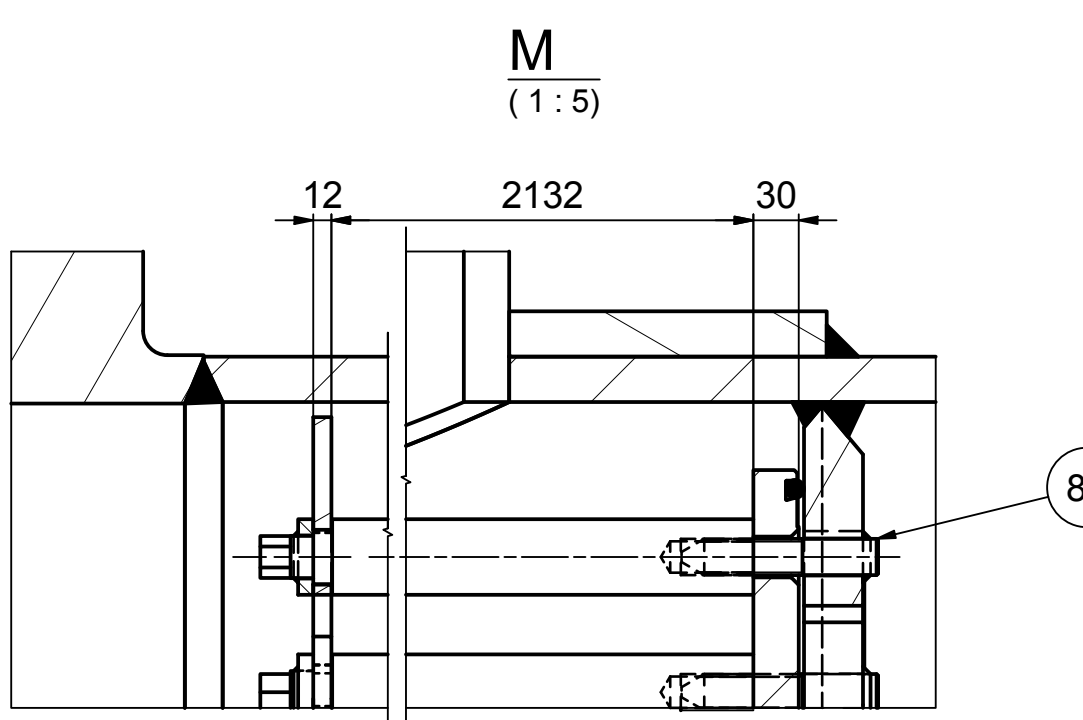
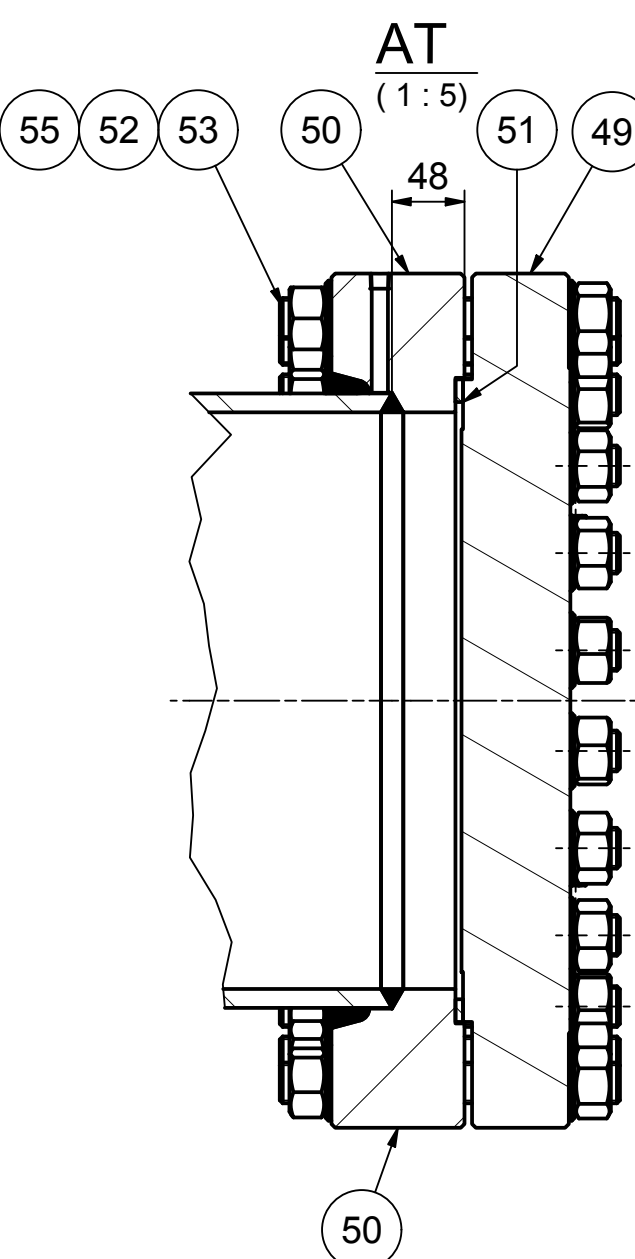
INSIDE SURFACE: OILED



BOLTS AND NUTS: ELECTRO. GALVANIZED A3C



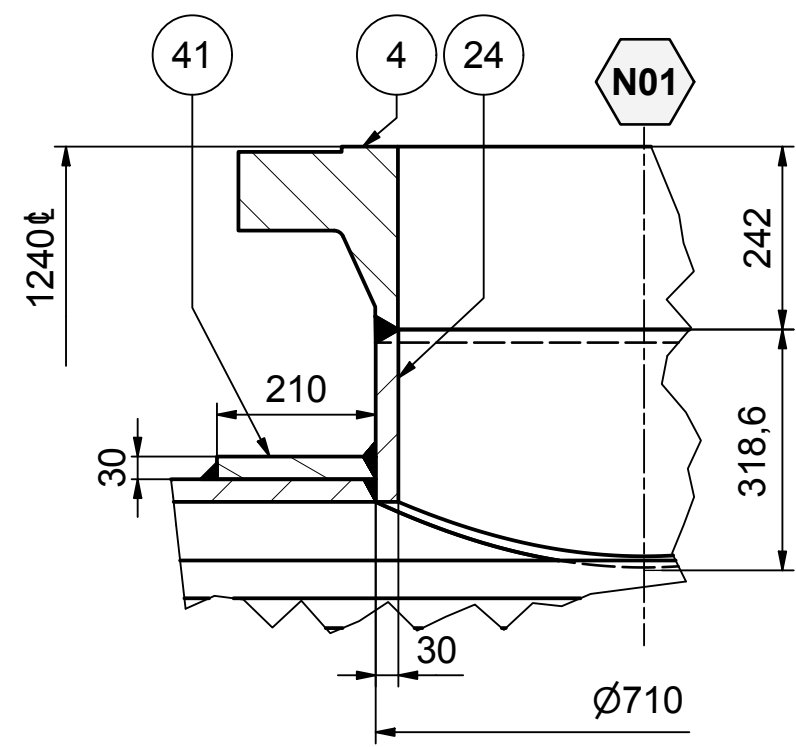
c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE		C.Stumpf
b	09.11.2018	ADD PI-NOZZLE		C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.		C.Stumpf
REV.	DATUM	ÄNDERUNG		NAME
REVISION				
ISO 128	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13920-BF	<b>GTS</b> THIEMANN ENERGIETECHNIK GMBH Dormannweg 48 D-34123 Kassel THIEMANN ENERGIETECHNIK	
Methode	27	ISO 2768-mK		
	SURFACES:	EN ISO 1302		
CUSTOMER:	ALL NON DIM. EDGES:	0,3x45° broken		
Stendhal s.r.o.			Schutzvermerk ISO 18016 beachten! Alle Rechte vorbehalten! Refer to protection notice ISO 18016. All rights reserved!	
PROJECT: Compressor Station Jirkov (CZ)			TITLE: Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR	
Client Job No.:		Date	Name	
0315-218114-07		11.10.2018	C.Stumpf	
GTS Order No.:		Drawn		
2181214		Appr.	16.11.2018	C.Stumpf
SCALE:		WEIGHT:		
1 : 17,5		19775 kg		
DRAWING No.:			REV. Sheet	1
			c of	10



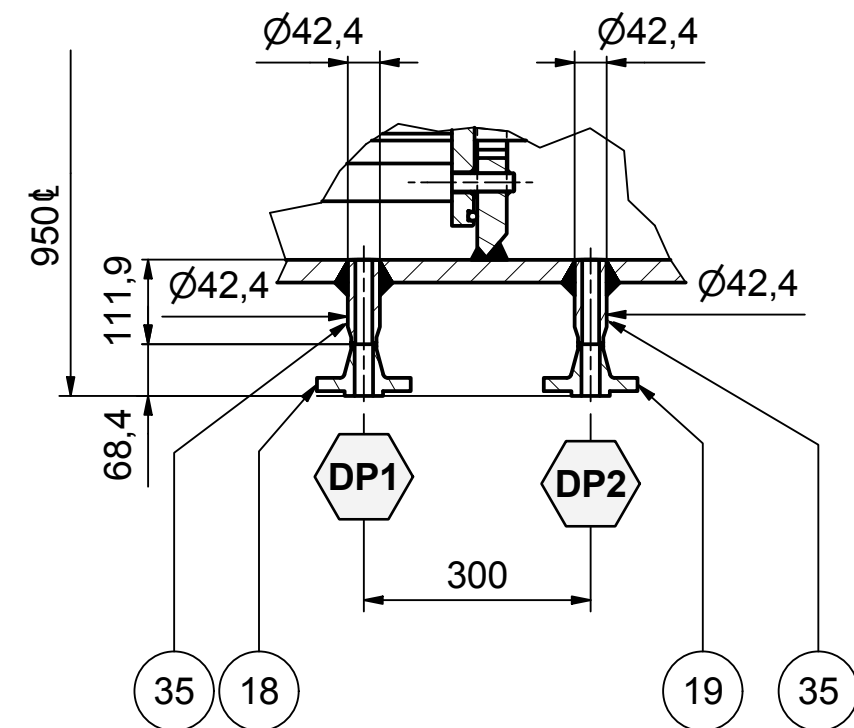
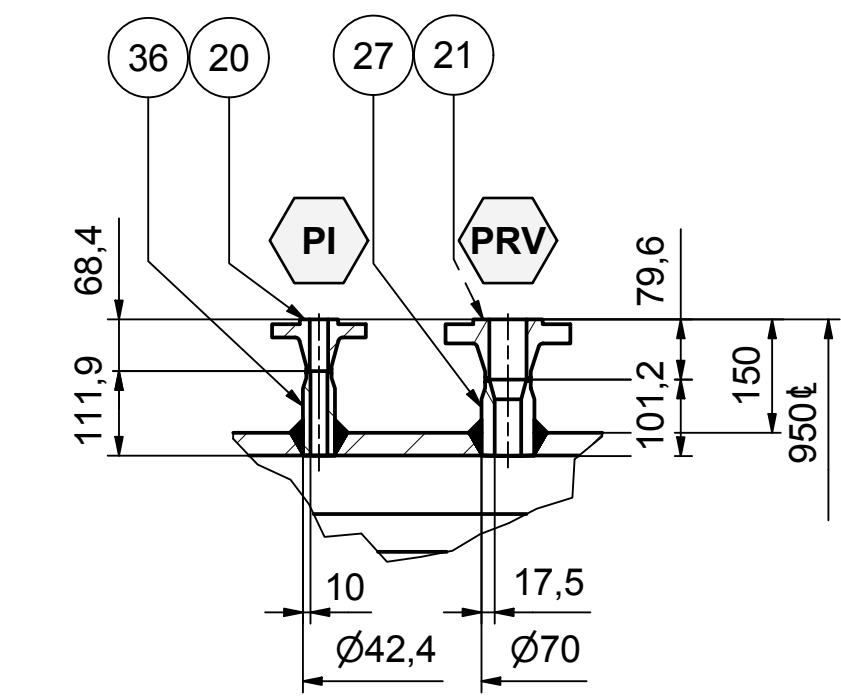
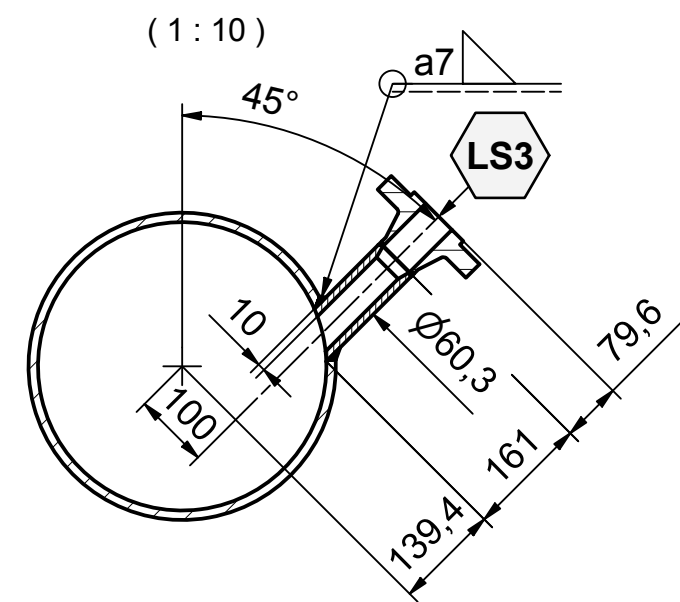


c		16.11.2018		DETAIL OF QUICK OPENING CLOSURE		C.Stumpf	
b		09.11.2018		ADD PI-NOZZLE		C.Stumpf	
a		05.11.2018		TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE L\$3+L\$4, MAT-CERT.		C.Stumpf	
REV.		DATUM		ÄNDERUNG		NAME	
REVISION							
ISO 128 Methods				GENERAL TOLERANCES: EN ISO 1302-BF ISO 2768-mk EN ISO 1302 ALL NON DIM. EDGES: 0.3x45° broken		 THIELMANN ENERGEITECHNIK GMBH Dornmannweg 48 D-34123 Kassel	
CUSTOMER:		Stendhal s.r.o.		THIELMANN ENERGEITECHNIK			
PROJECT:		Compressor Station Jirkov (CZ)		Schutzmerkmal ISO 16016 beachten. Alle Rechte vorbehalten! Refer to protection notice ISO 16016. All rights reserved!			
Client Job No.:		0315-218114-07		Date		Name	
		Design		11.10.2018		C.Stumpf	
GTS Order No.:		2181214		Drawn		C.Stumpf	
		Appr.		16.11.2018		C.Stumpf	
SCALE:		WEIGHT:		TYPE:		VSFA-H-CV 41.1600.74.700.3	
1 : 17,5		19775 kg		DRAWING No.:		REV. Sheet 2	
				GTS-021115		C of 10	

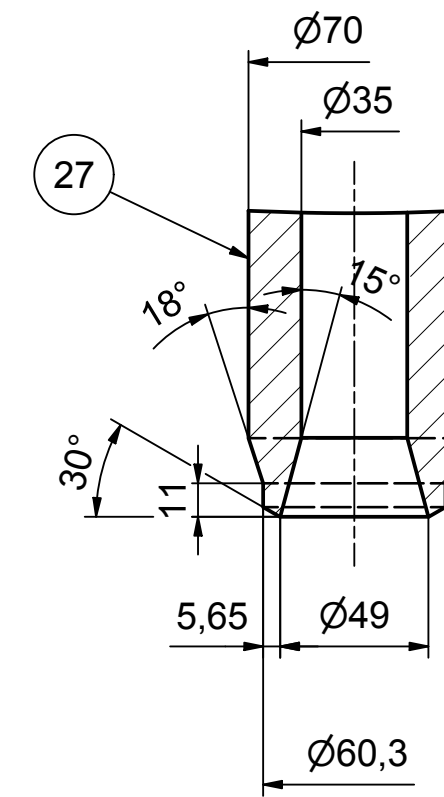
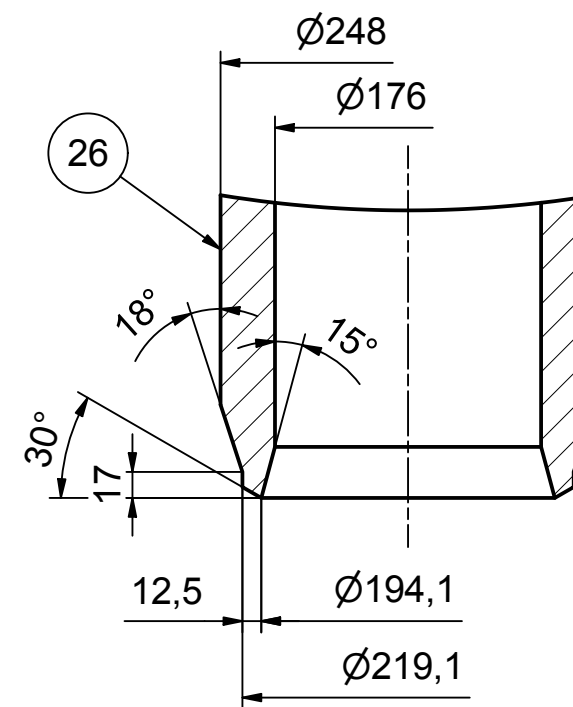
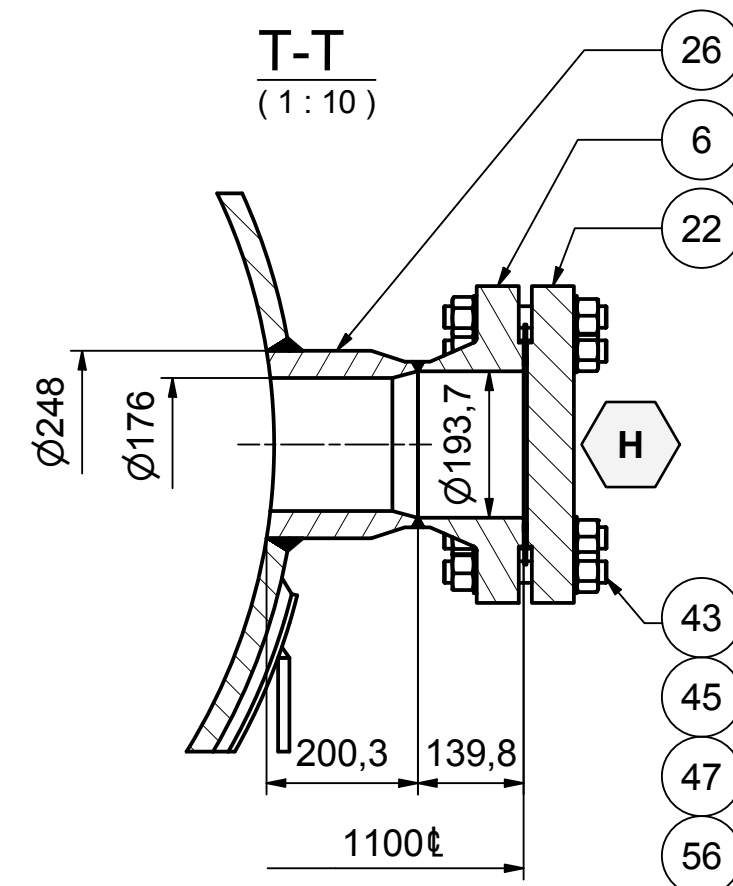
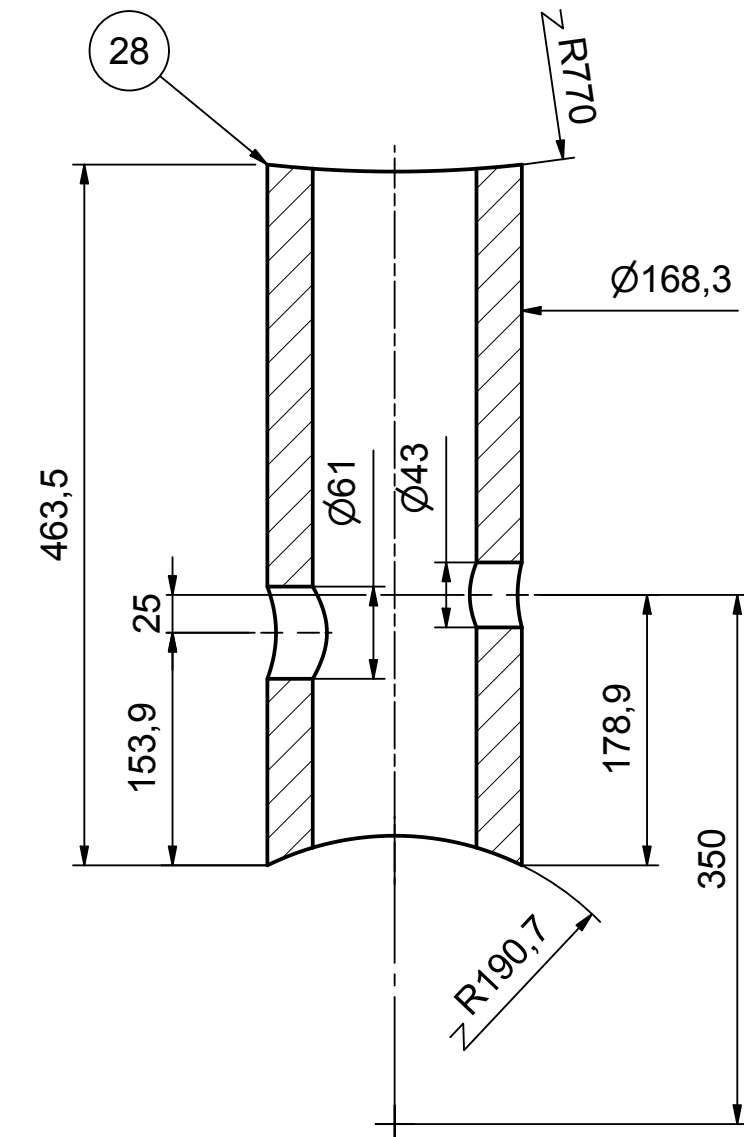
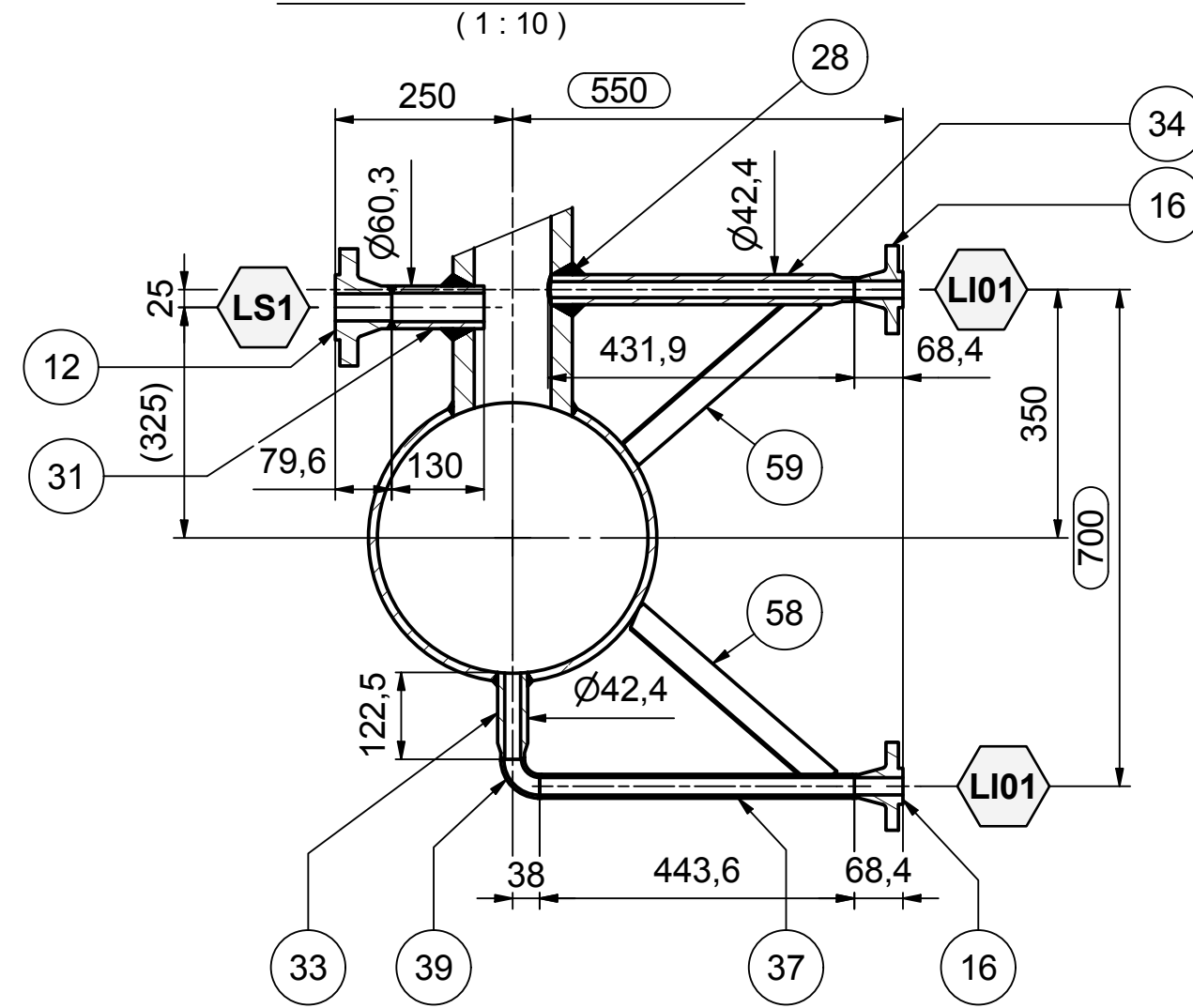




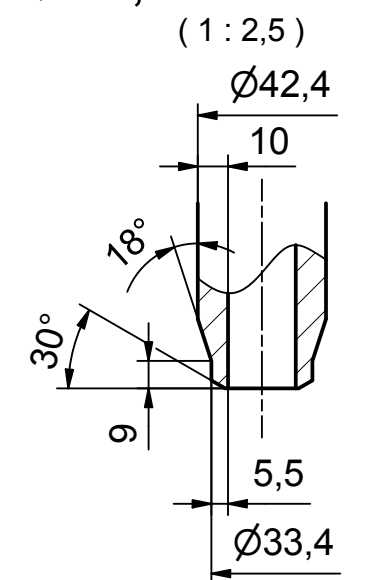
### LSLL NOZZLES



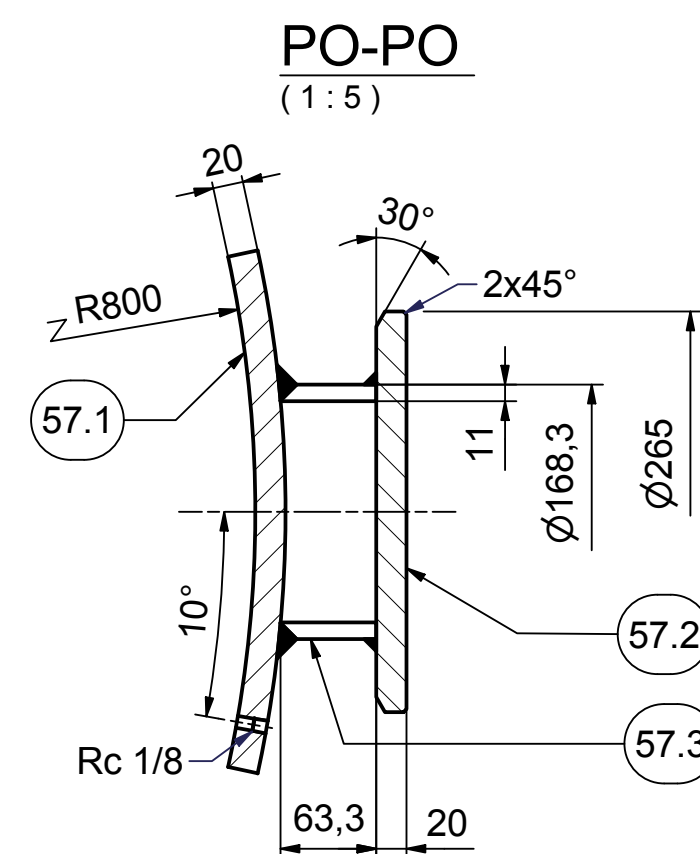
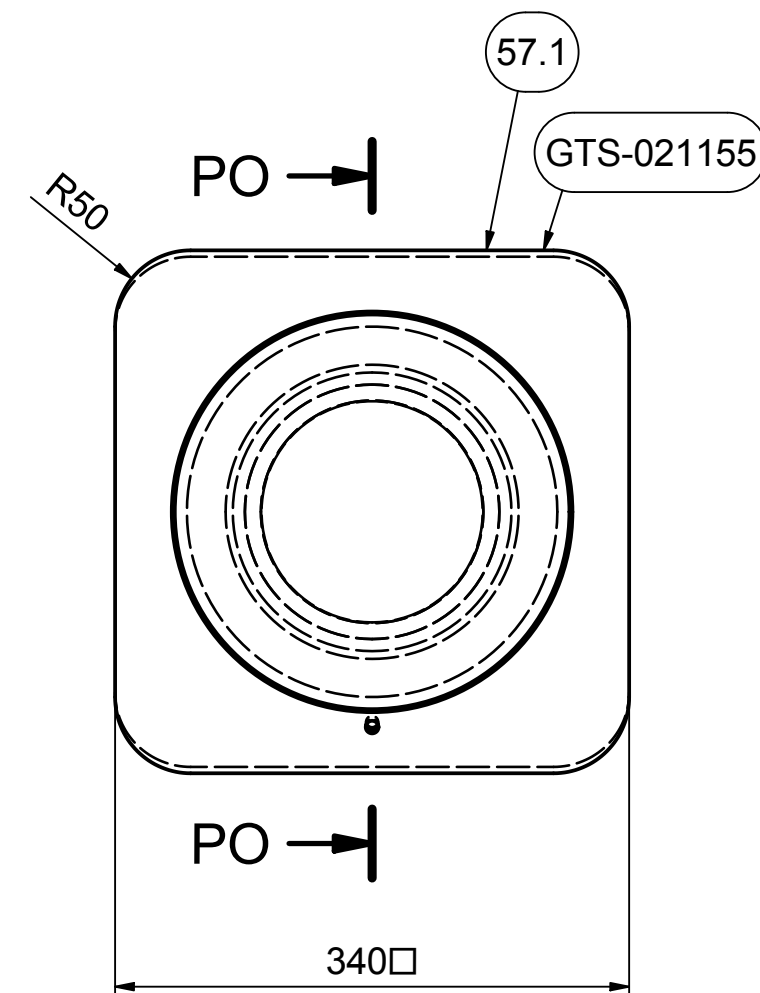
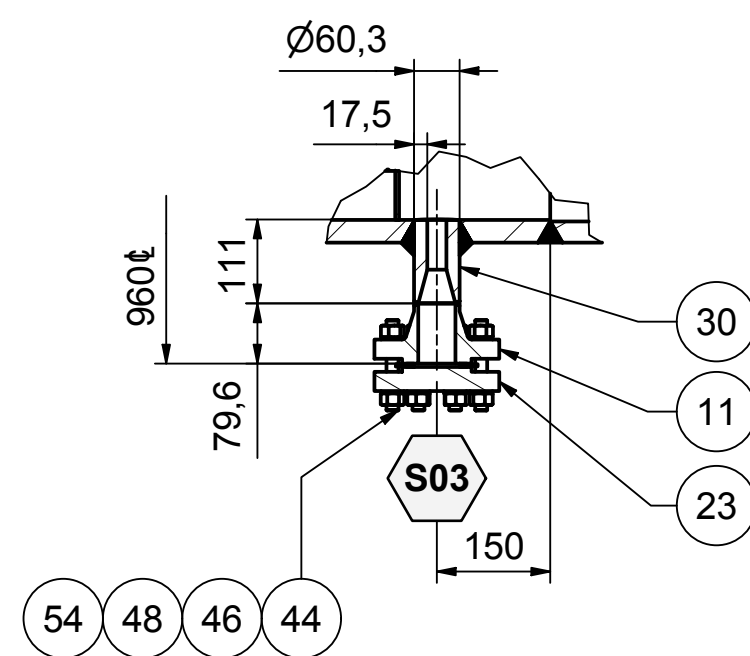
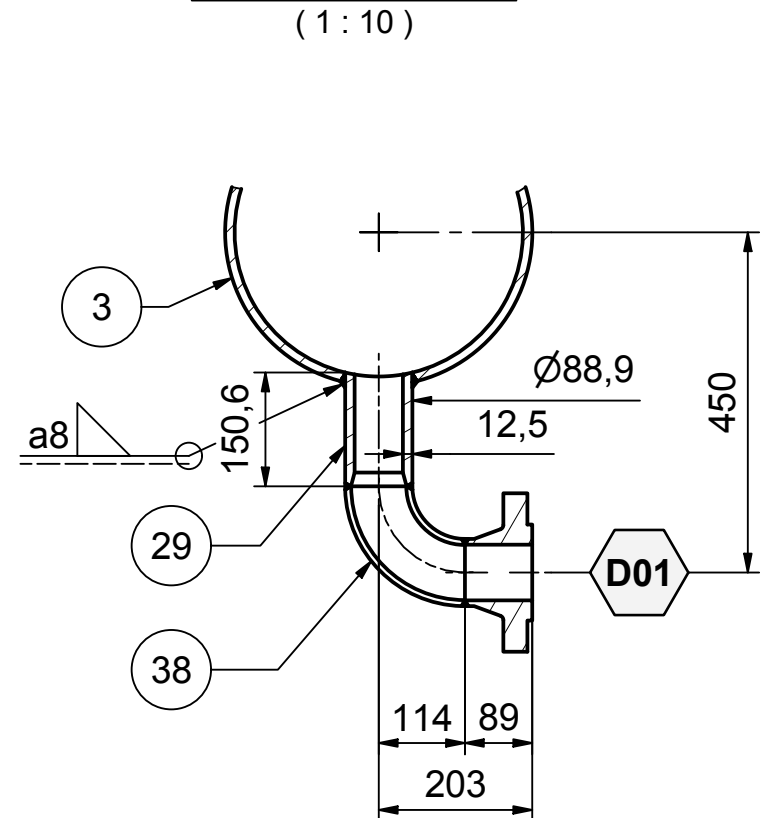
### LI+LSHH NOZZLES



### WELDING END OF ALL Ø42,4 NOZZLES



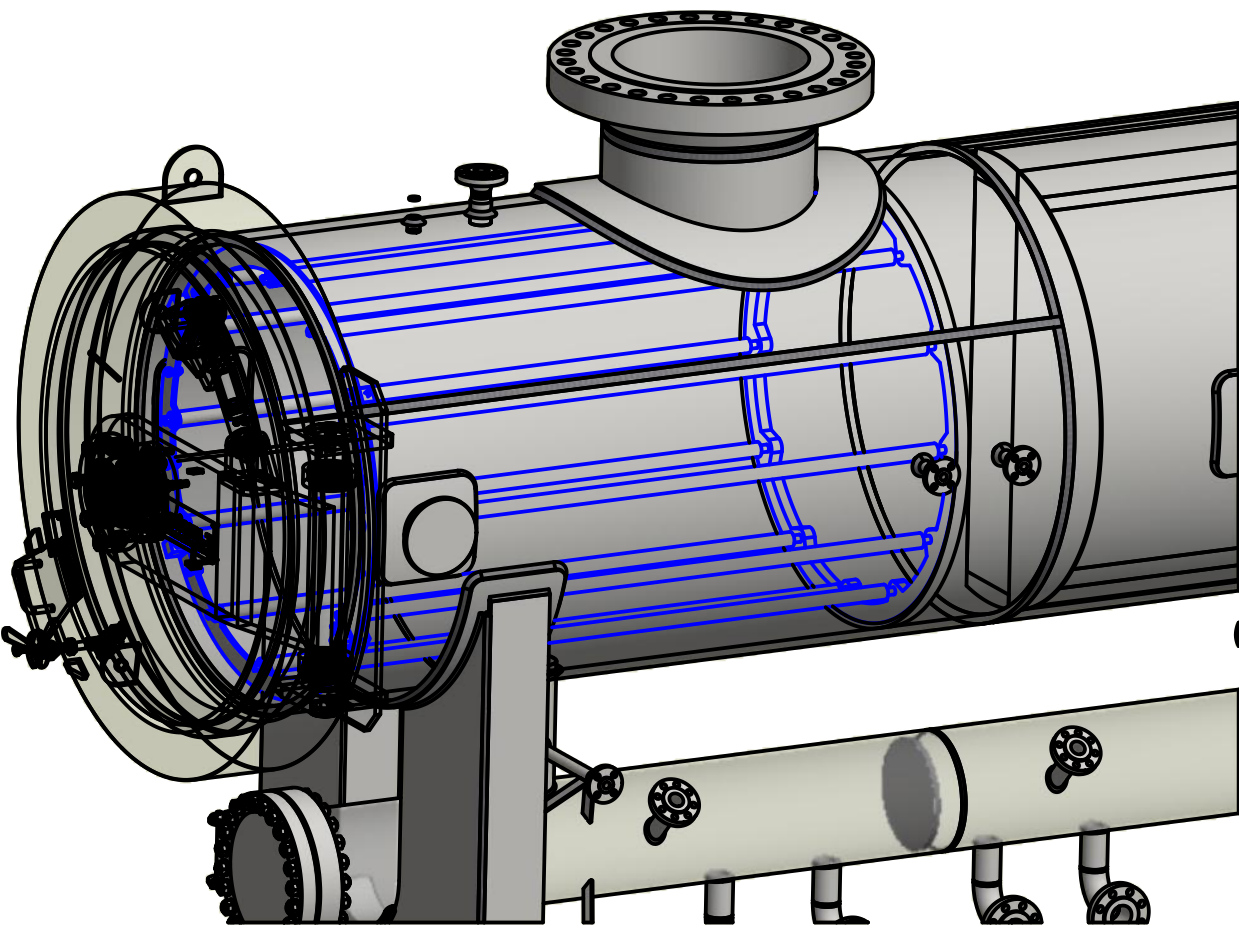
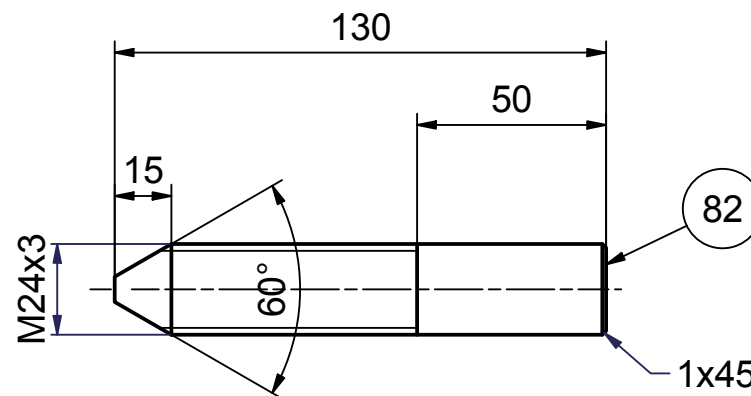
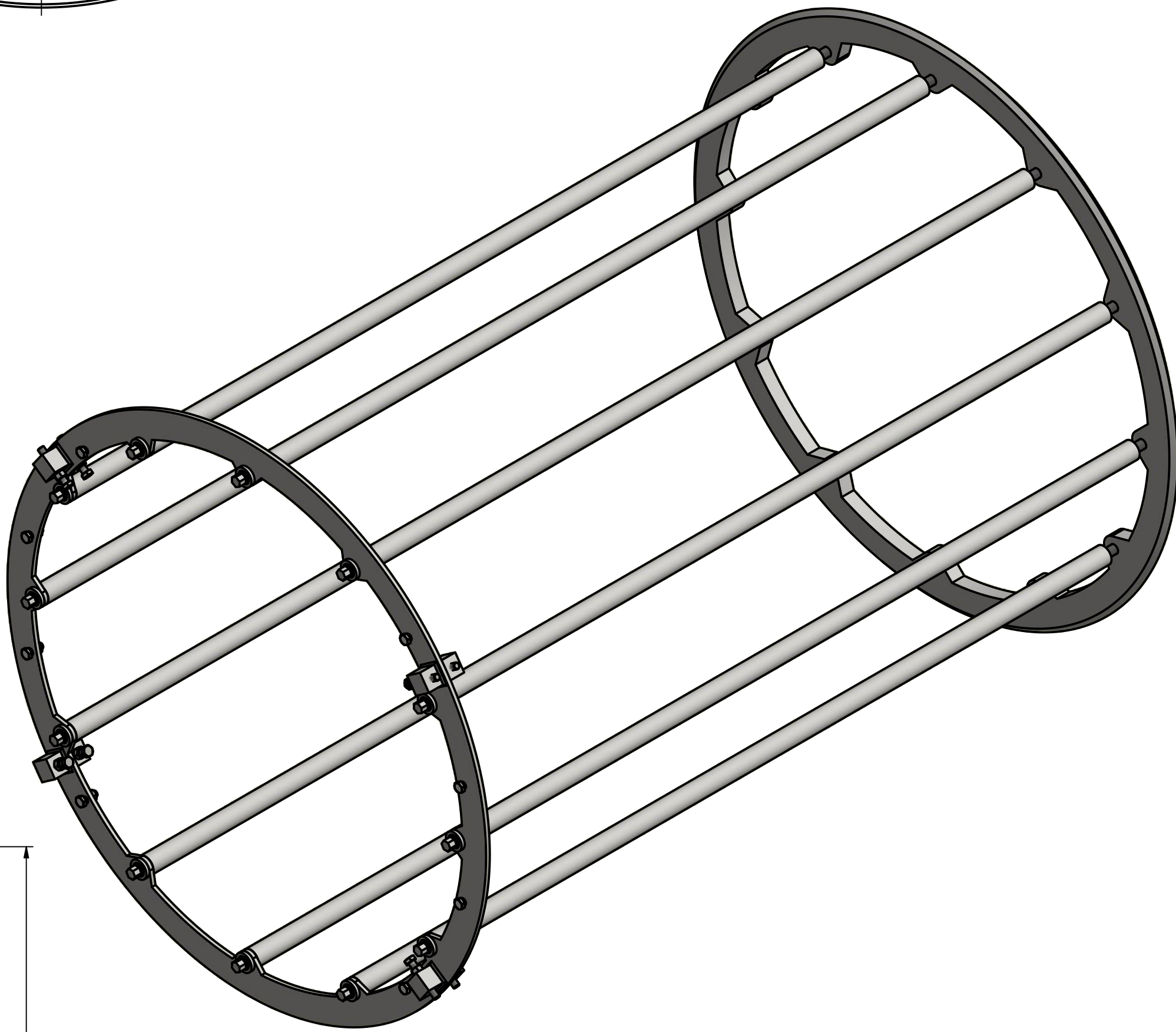
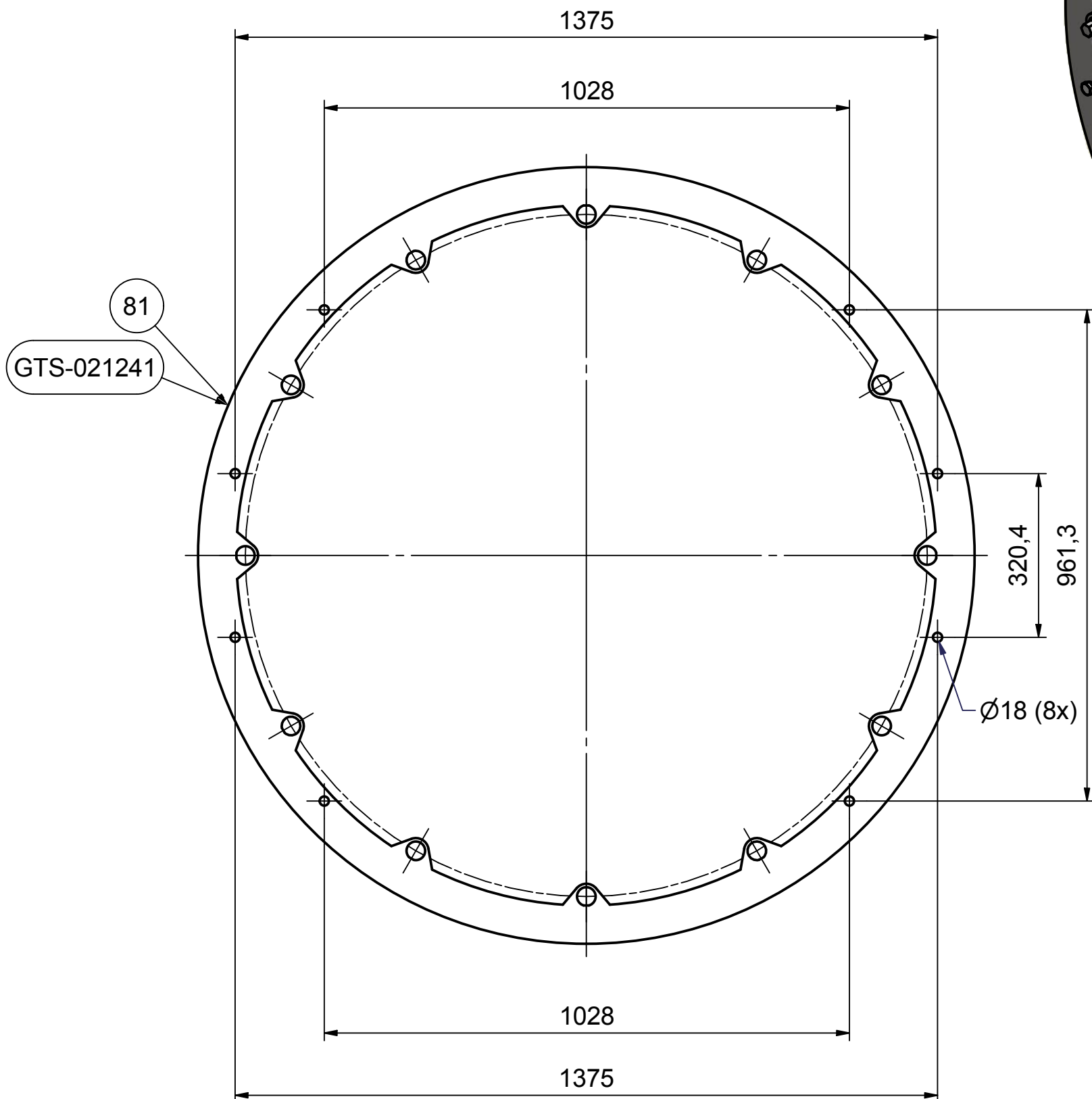
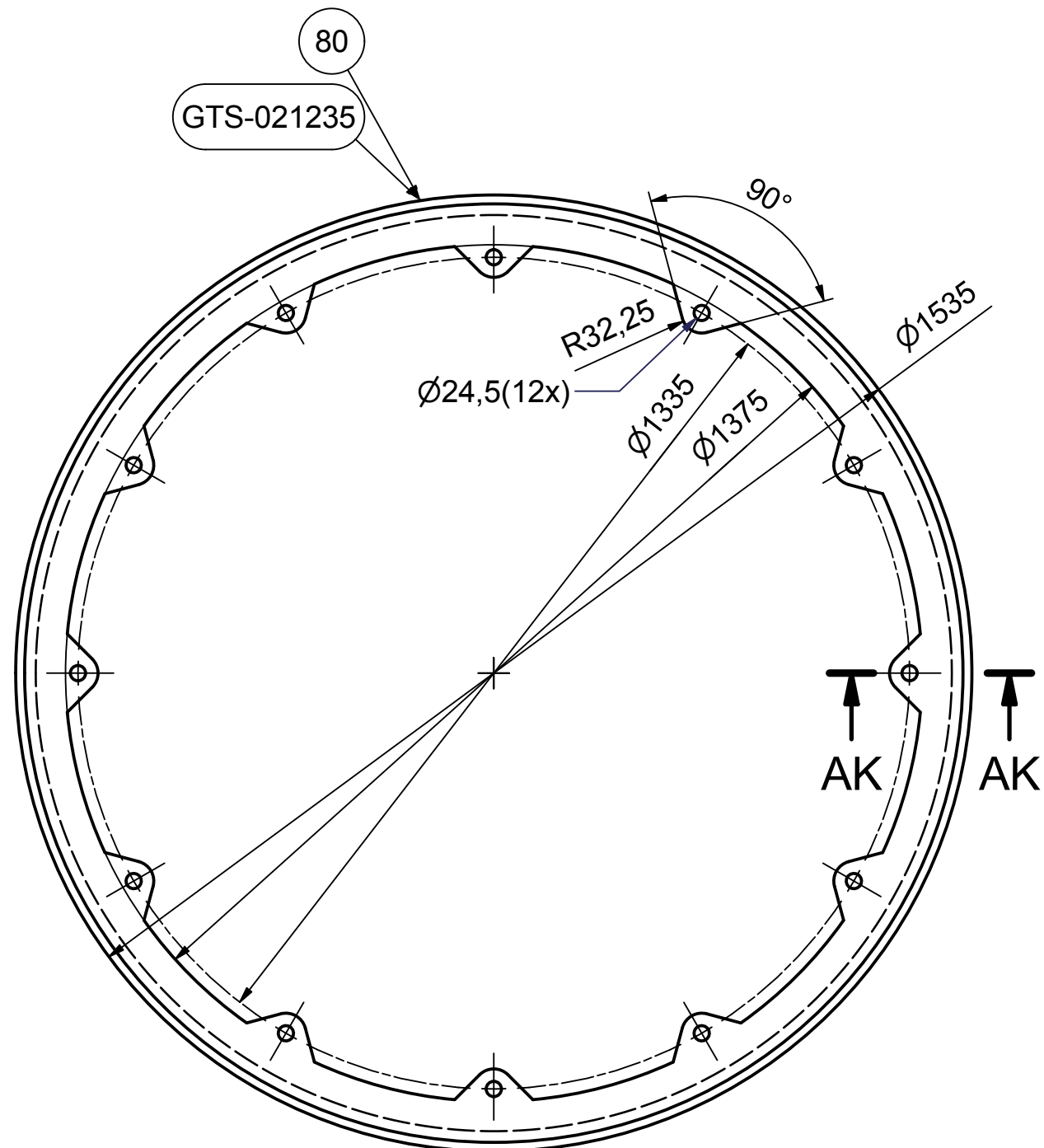
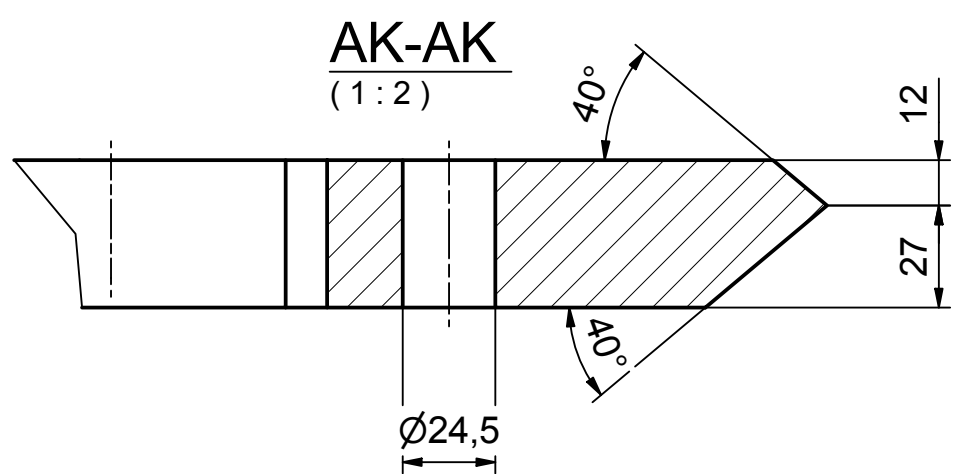
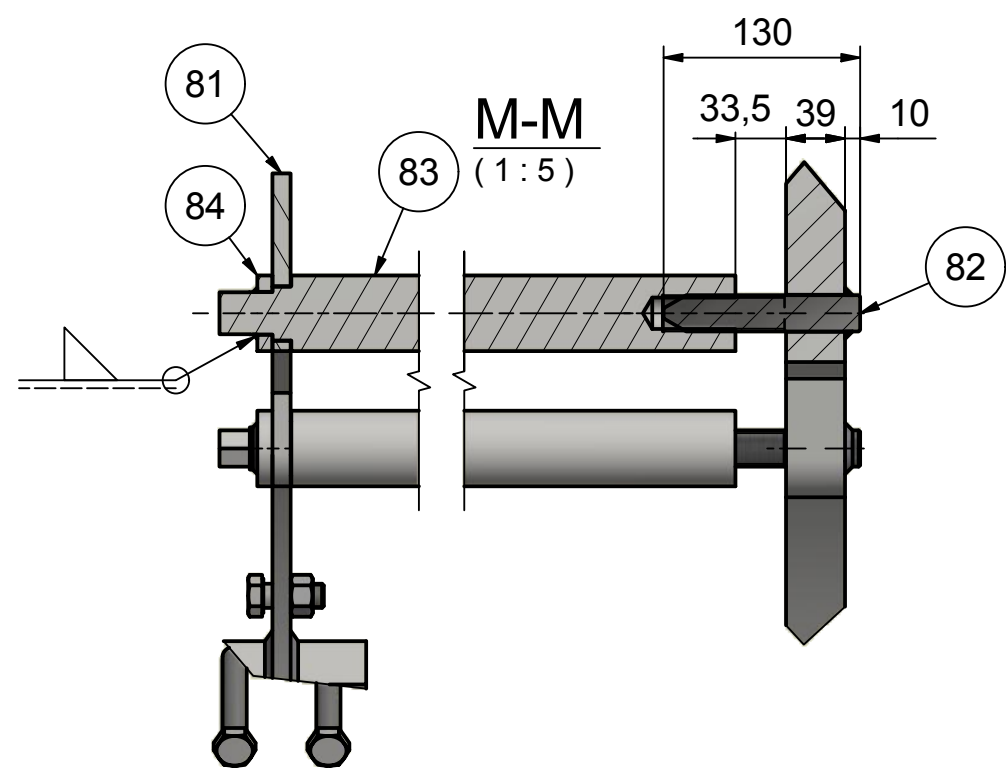
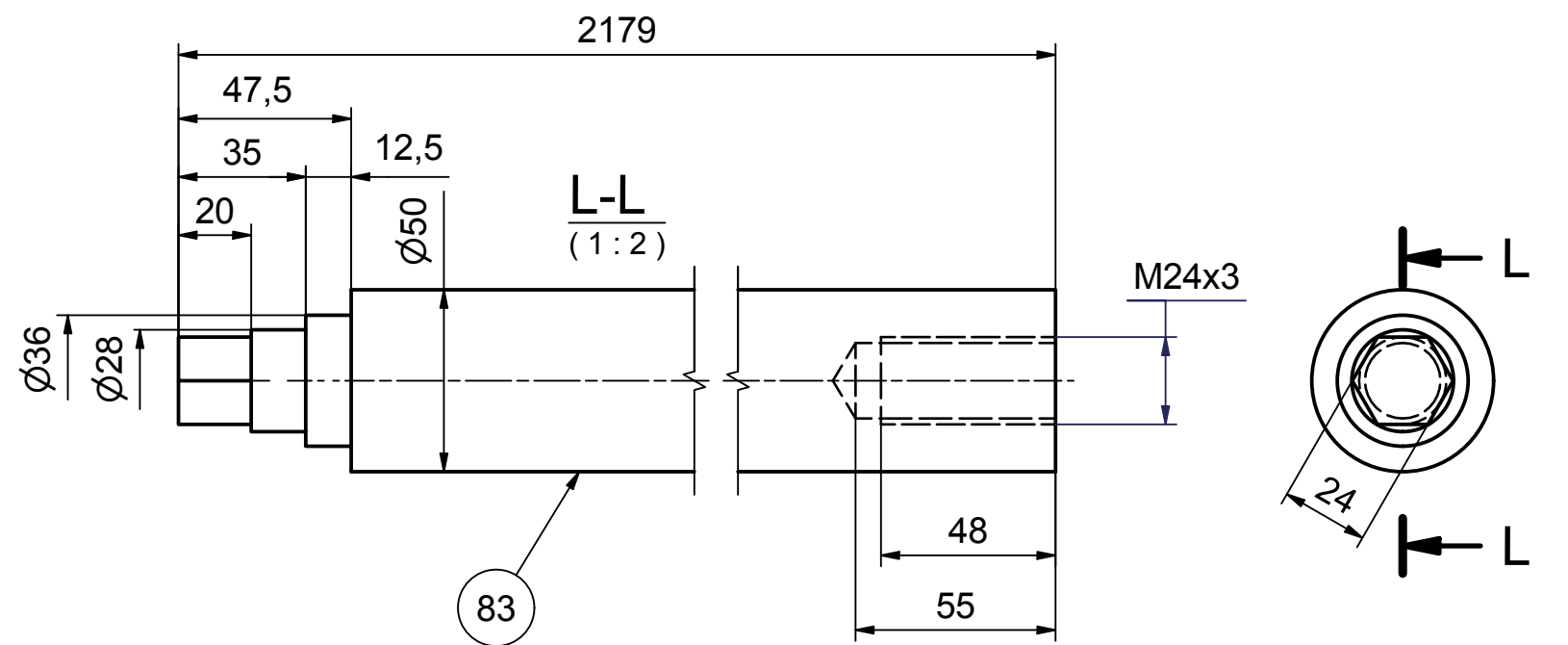
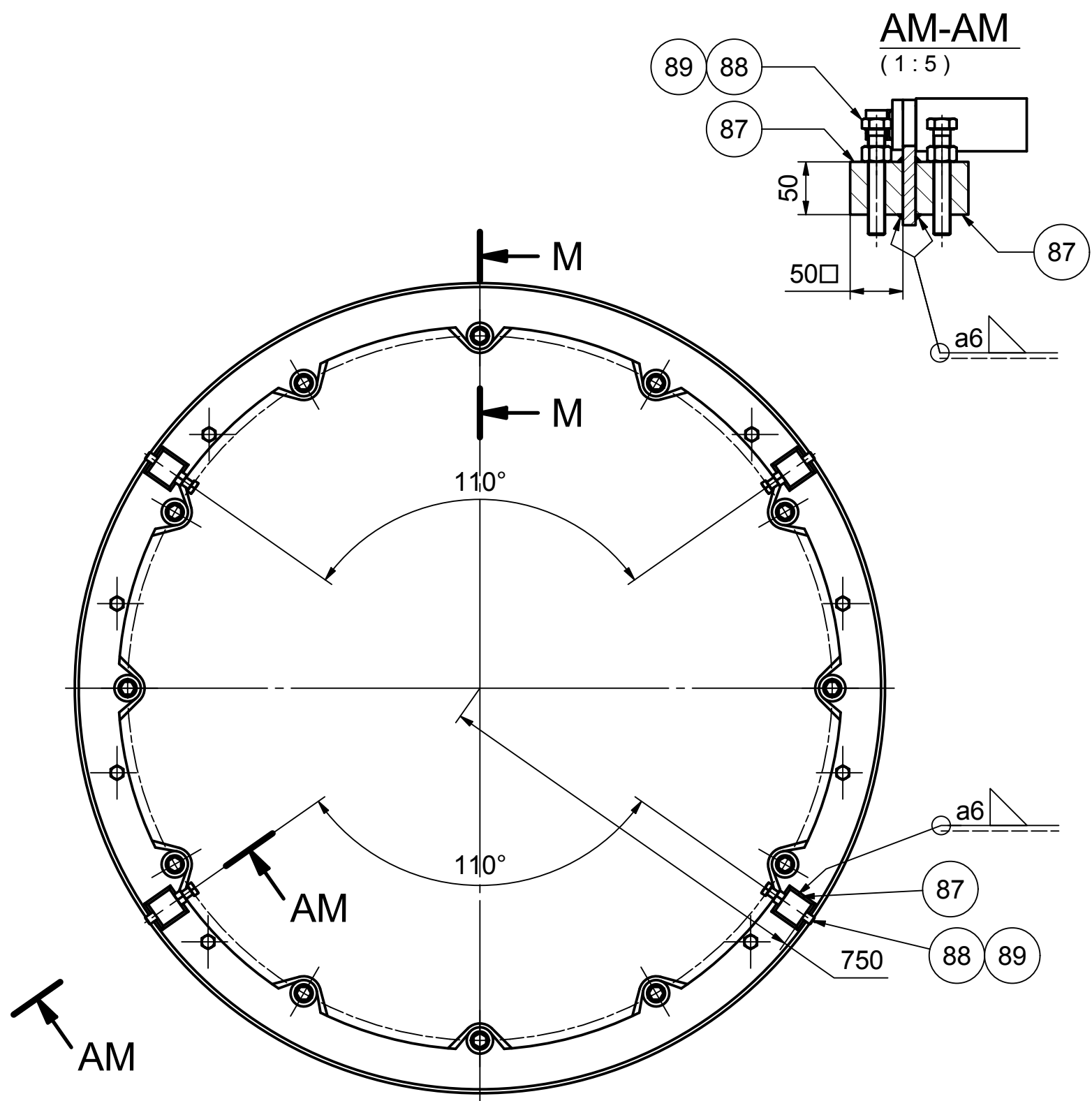
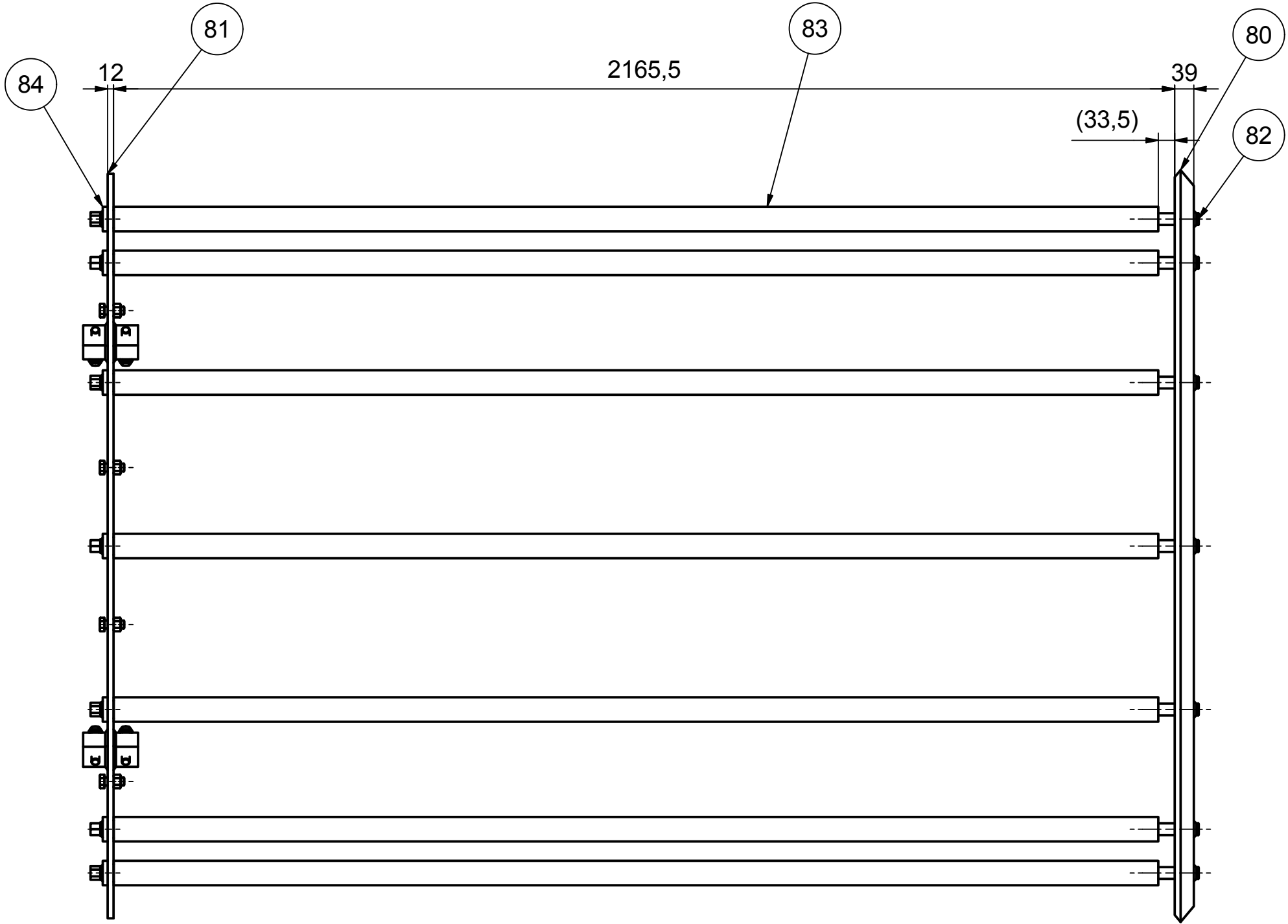
### 3"-NOZZLES



c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE	C.Stumpf
b	09.11.2018	ADD PI-NOZZLE	C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.	C.Stumpf
REV.	DATUM	ÄNDERUNG	NAME
REVISION			
ISO 128	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13920-BF	THIELMANN
Methode	ISO 128	ISO 2768-mK	ENERGIETECHNIK GMBH
SURFACES:	EN ISO 1302	0,3x45° broken	Dormannweg 48
CUSTOMER:	THIELMANN ENERGIETECHNIK		D-34123 Kassel
Stendhal s.r.o.			Schutzvermerk ISO 18016 beachten! Alle Rechte vorbehalten!
Compressor Station Jirkov (CZ)			Refer to protection notice ISO 18016. All rights reserved!
Client Job No.:	Date	Name	TITLE:
0315-218114-07	11.10.2018	C.Stumpf	Staubflüssigkeitsabscheider
GTS Order No.:	Design	Drawn	DUST-LIQUID-SEPARATOR
2181214	16.11.2018	C.Stumpf	VSFA-H-CV 41.1600.74.700.3
SCALE:	WEIGHT:	DRAWING No.:	REV. Sheet
1:10	19775 kg	GTS-021115	3 of 10



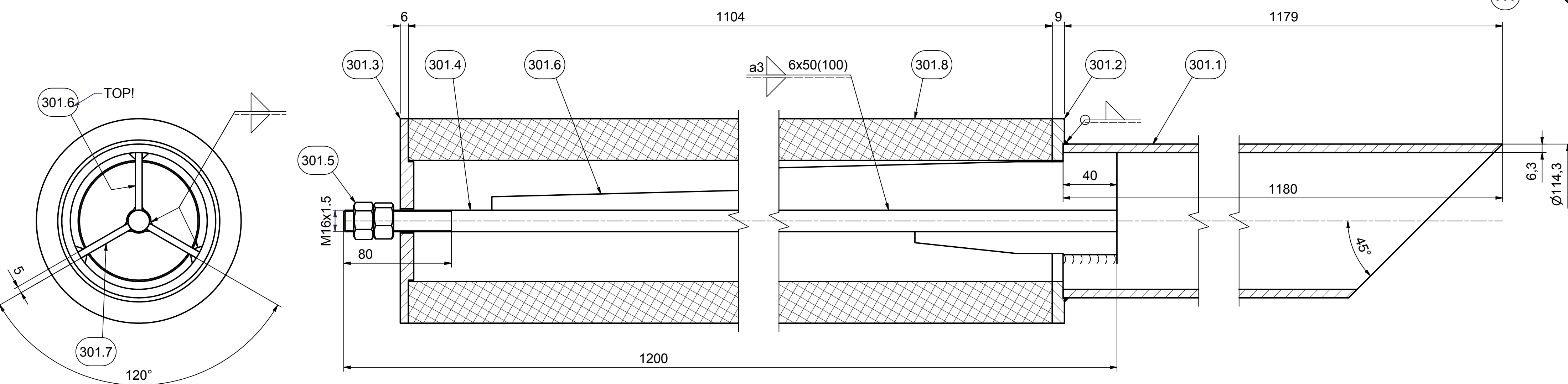
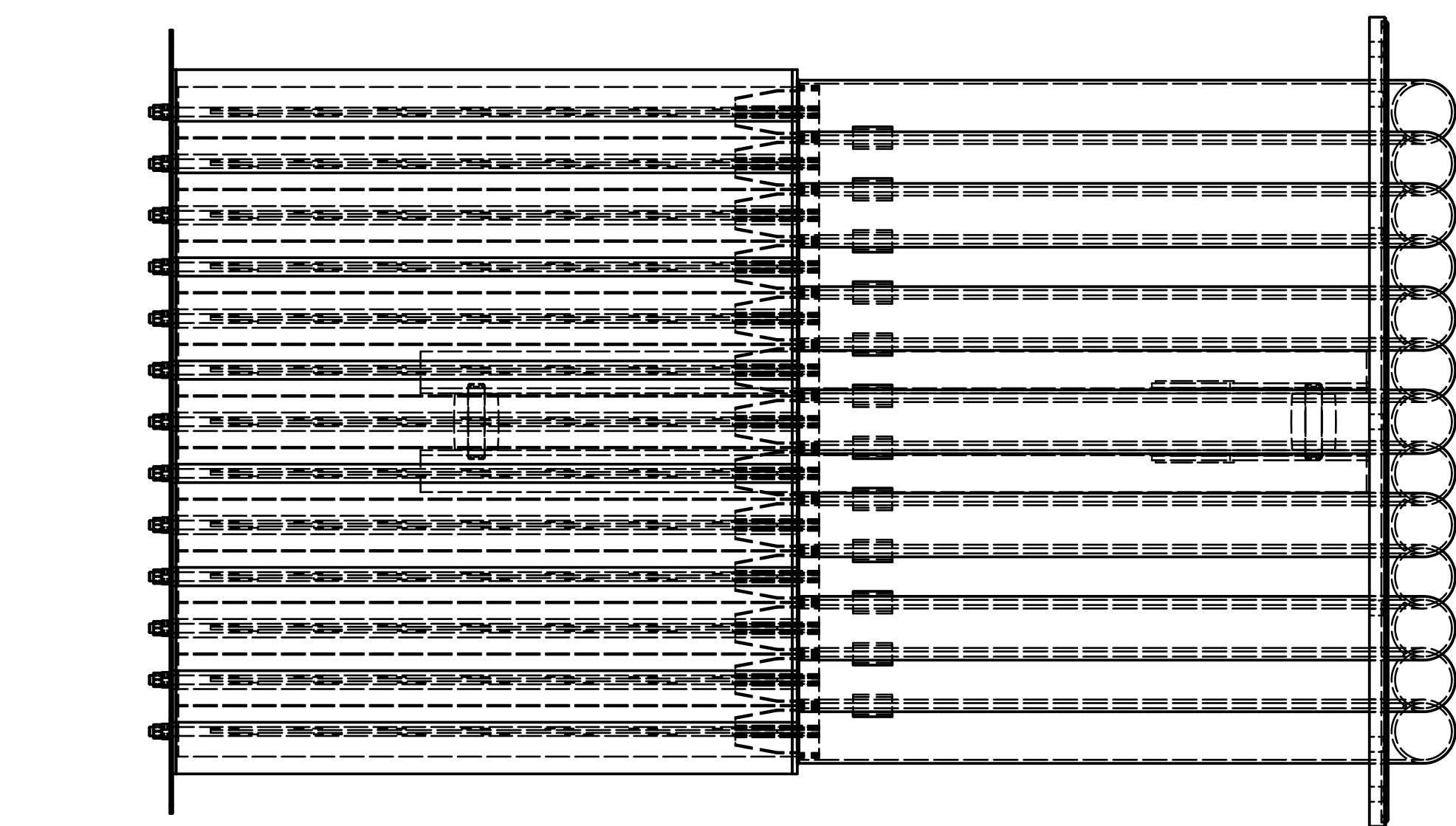
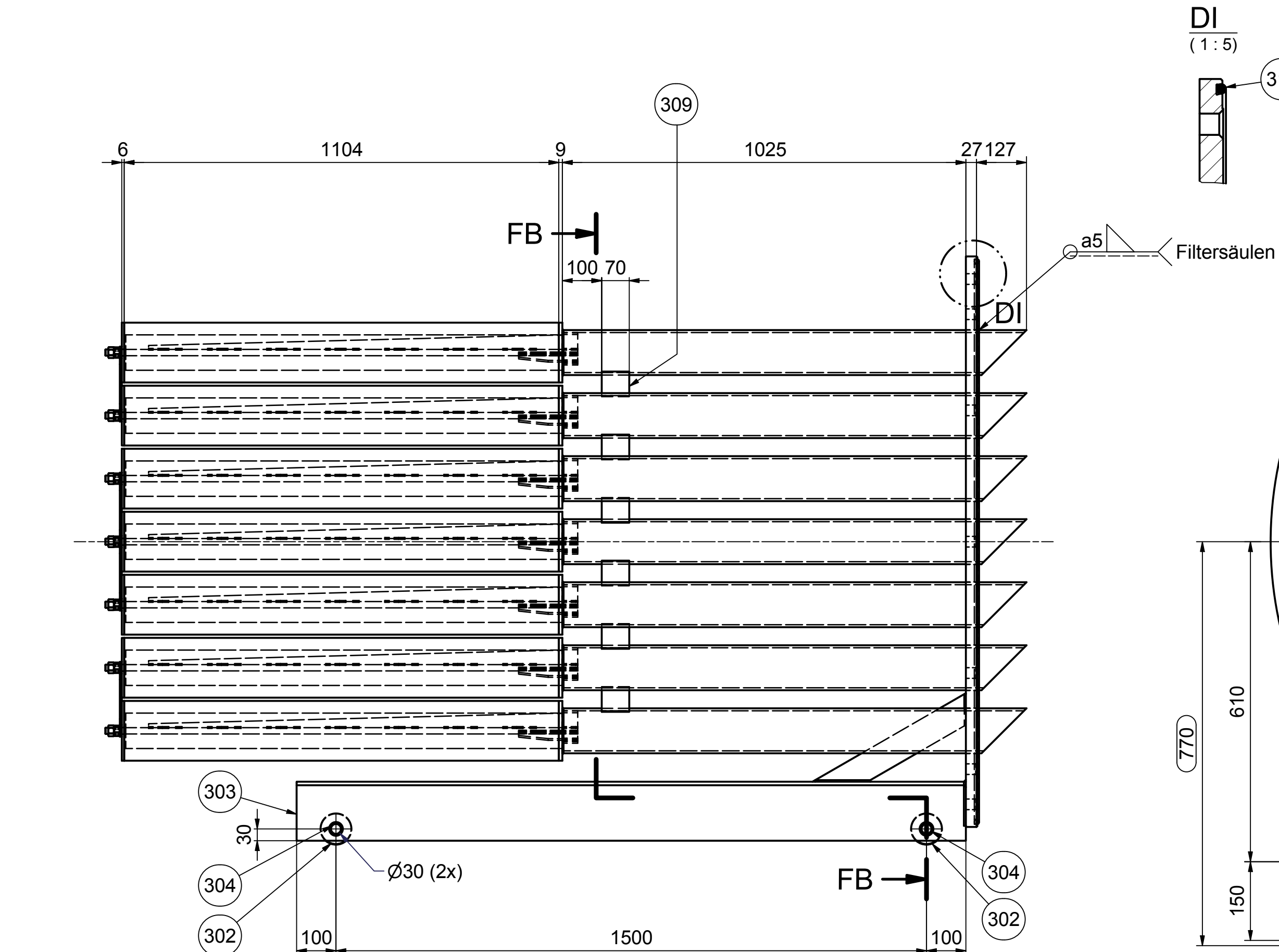
ID	POS.	PCS.	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev.
GTS-021235	80	1	RING	ø 1535 mm x 39 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	105,3 kg		-
GTS-021241	81	1	RING	ø 1520 mm x 12 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	33,4 kg		-
GTS-021237	82	12	STUD BOLT METRIC THREAD	M 24 x 130 mm	DIN EN 10060	8.8 - DIN EN ISO 898-1		5,2 kg		-
GTS-021238	83	12	HOLDER	ø 50 mm x 2179 mm	DIN EN 10060	1.0570-S355J2G3 - EN 10025 - (AD-W13)		395,4 kg		-
GTS-021239	84	12	RING	ø 50 mm - ø 28,5 mm x 10 mm		1.0038-S235JRG2 - EN 10025		1,2 kg		-
-	85	8	HEX. NUT	M 16	DIN EN ISO 4032	5-2 - DIN EN 20898-2	SI	0,3 kg	zinc-plated EN-ISO-4042	-
GTS-008058	86	8	SCREW	M 16 x 40	DIN EN ISO 4017	5.6 - DIN EN ISO 898-1	SI	0,8 kg	zinc-plated	-
GTS-021251	87	8	SQUARE ROD	50 mm x 50 mm x 50 mm	DIN EN 10059	1.0038-S235JRG2 - EN 10025		7,4 kg		-
-	88	8	SCREW	M 16 x 100	DIN EN ISO 4017	5.6 - DIN EN ISO 898-1	SI	1,6 kg	zinc-plated	-
-	89	8	HEX. NUT	M 16	DIN EN ISO 4032	5-2 - DIN EN 20898-2	SI	0,3 kg	zinc-plated	-



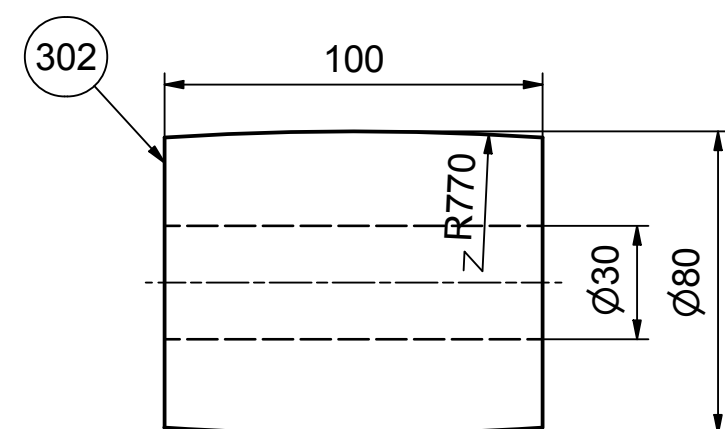
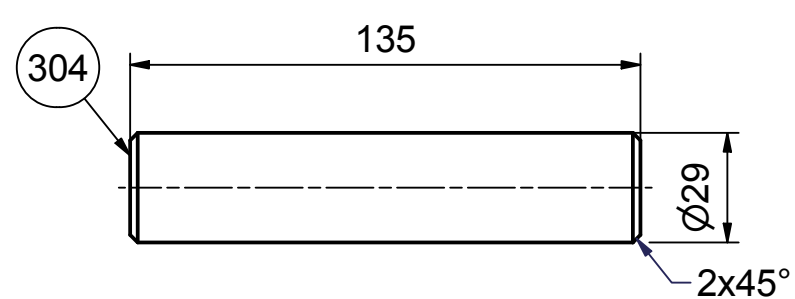
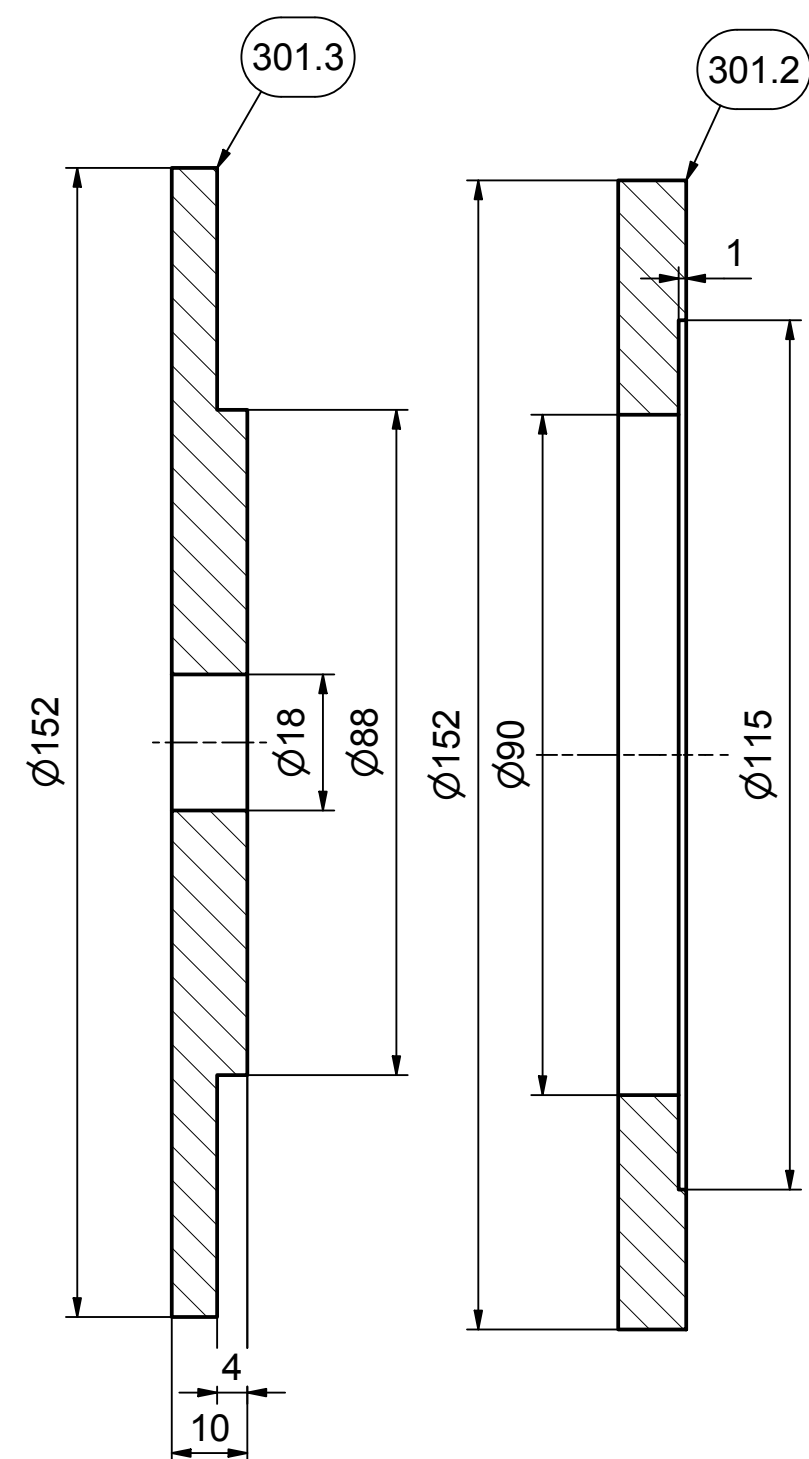
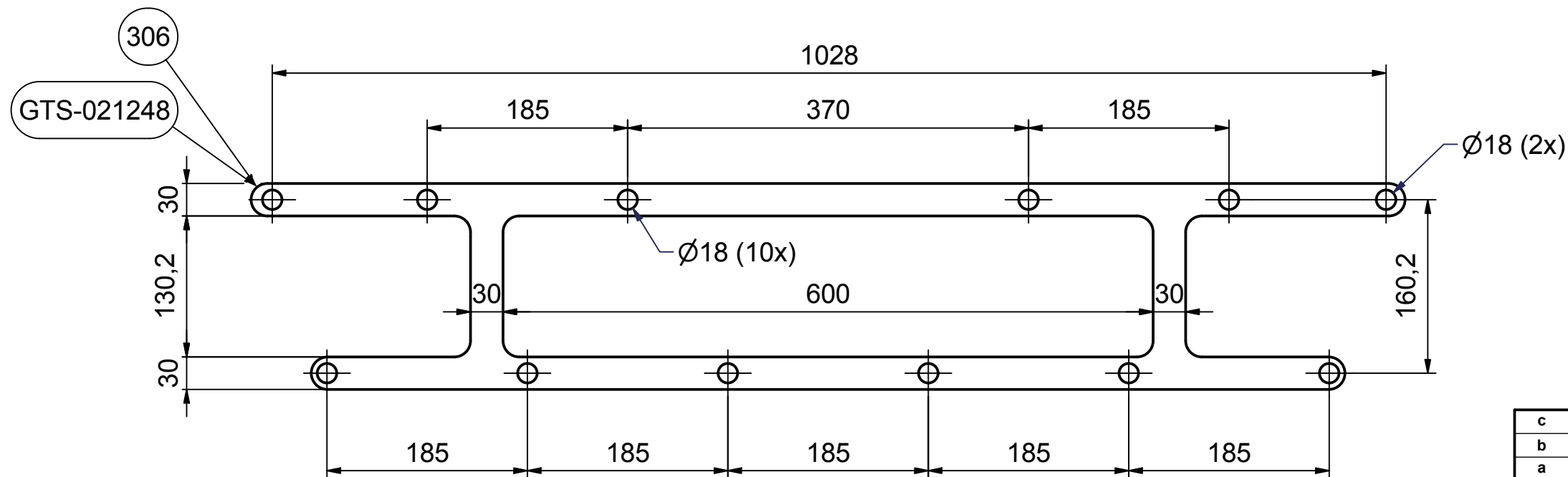
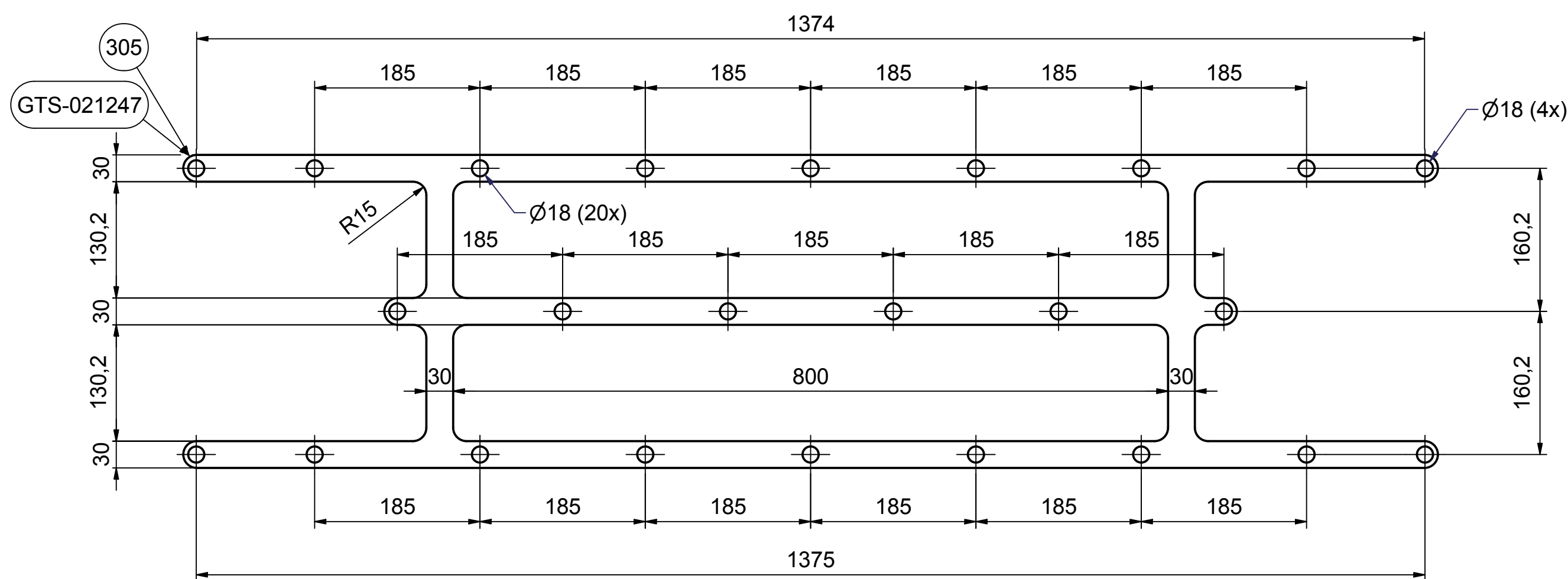
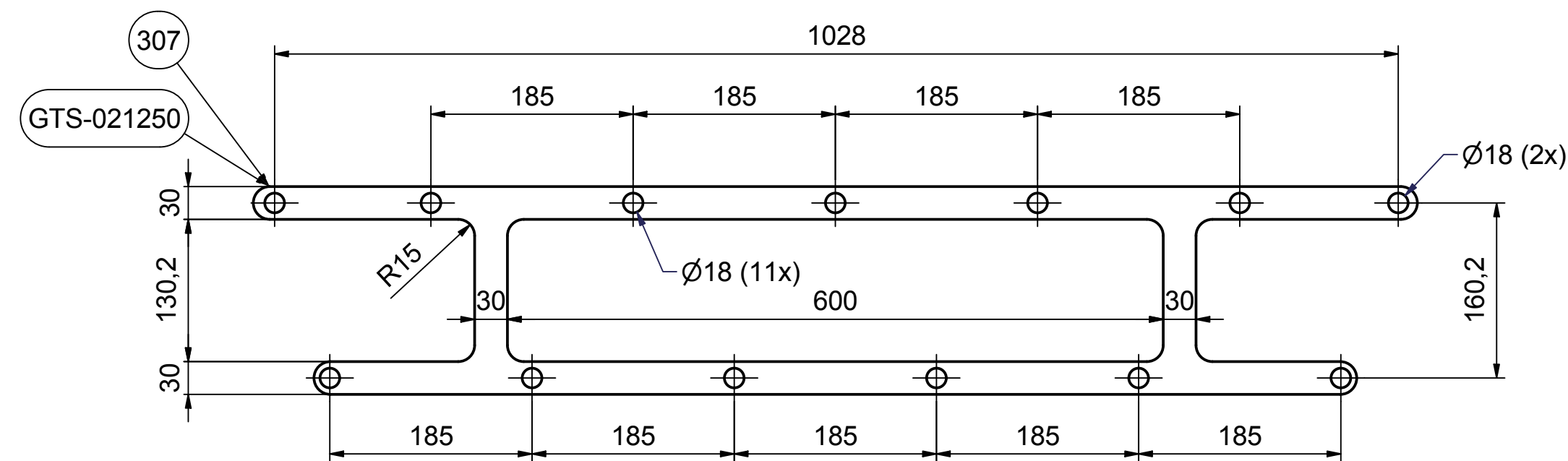
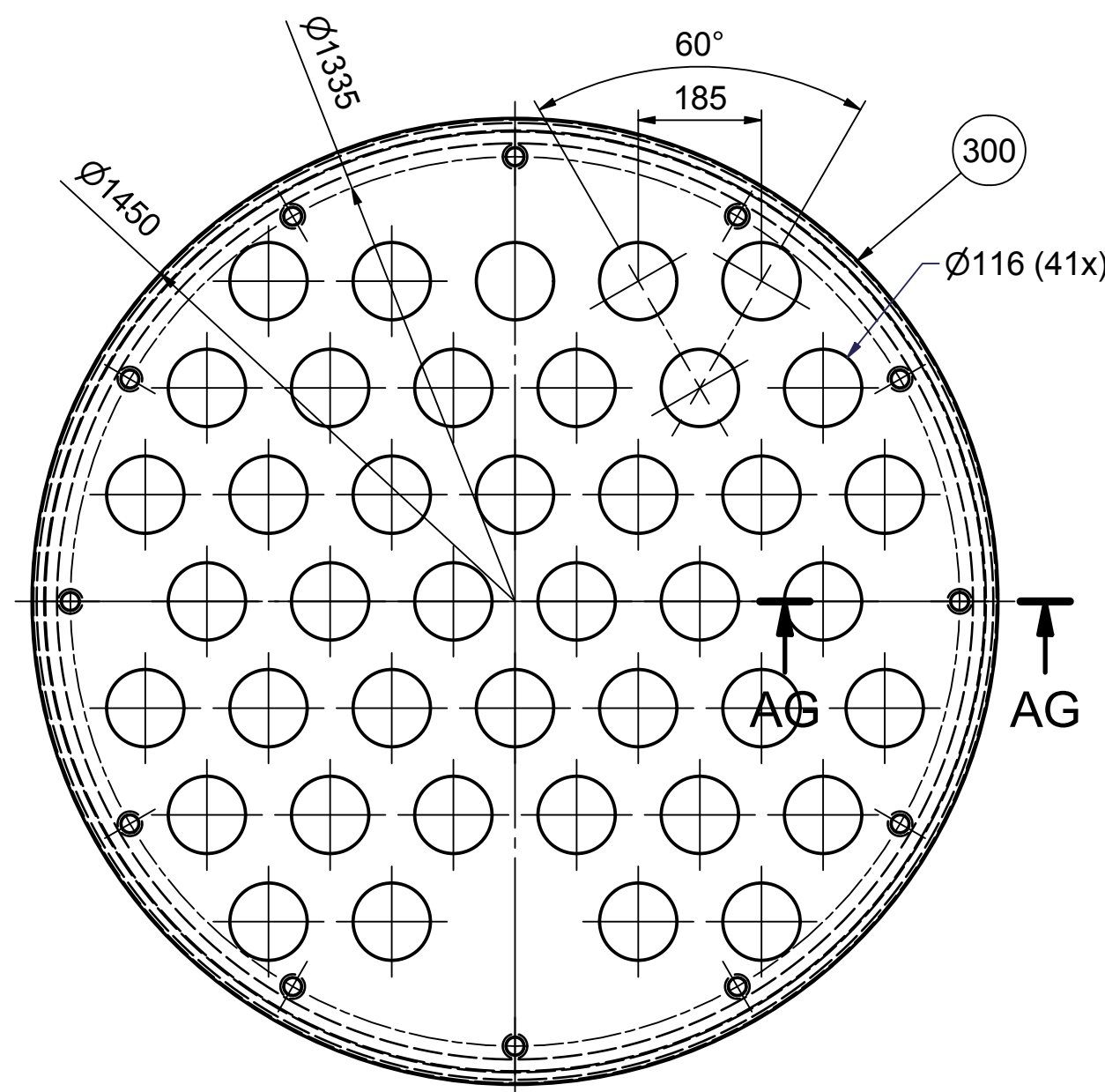
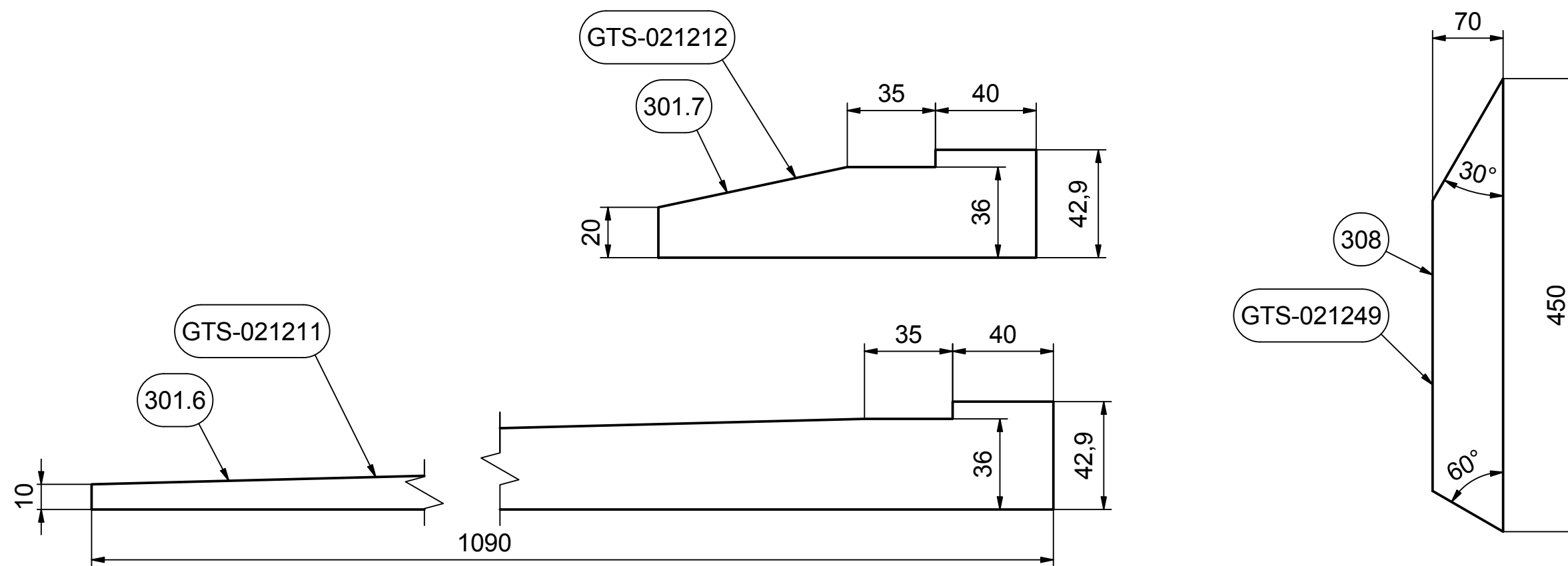
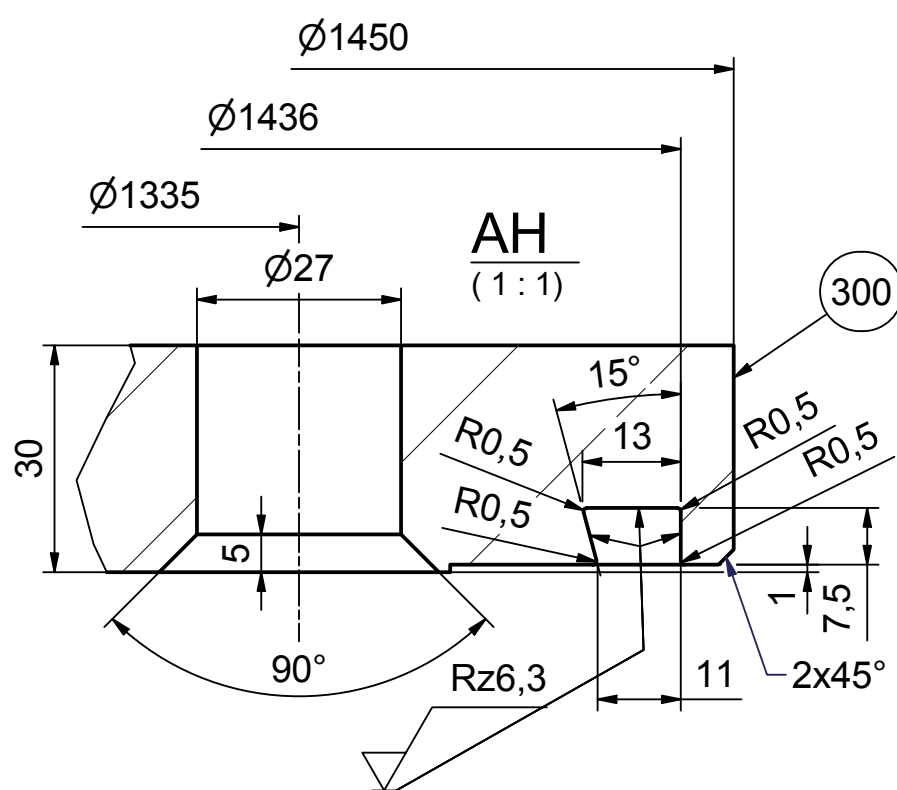
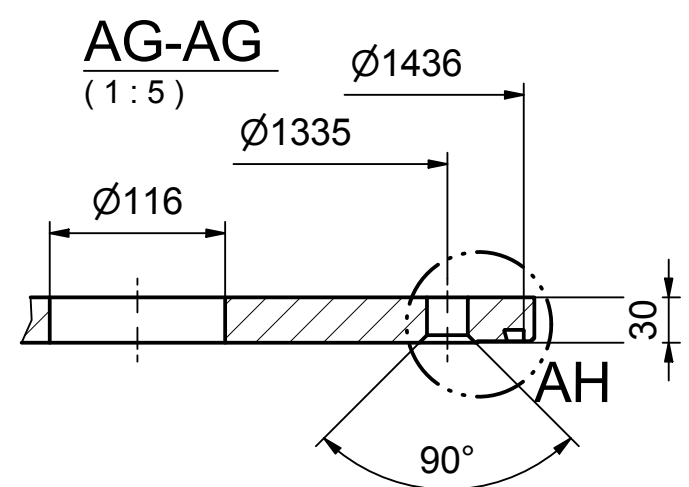
c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE	C.Stumpf
b	09.11.2018	ADD PI-NOZZLE	C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.	C.Stumpf
REV.	DATUM	ÄNDERUNG	NAME
REVISION			
ISO 128	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13020-BF	THIELMANN
Methode	ISO 1302	ISO 2768-mK	ENERGIETECHNIK GMBH
SURFACES:	ALL NON DIM. EDGES:	0,3x45° broken	Dormannweg 48
CUSTOMER:	Stendhal s.r.o.	THIELMANN ENERGIETECHNIK	D-34123 Kassel
PROJECT:	Compressor Station Jirkov (CZ)	Schutzvermerk ISO 18016 beachten! Alle Rechte vorbehalten!	
Client Job No.:	0315-218114-07	Refer to protection notice ISO 18016. All rights reserved!	
GTS Order No.:	2181214	TITLE:	Staubflüssigkeitsabscheider
SCALE:	1:10	TYPE:	VSFA-H-CV 41.1600.74.700.3
WEIGHT:	551 kg	DRAWING No.:	GTS-021115
		REV.	Sheet 4
		c	of 10



ID	POS.	PCS.	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev.
GTS-021198	300	1	DISC	ø 1450 mm x 30 mm	DIN EN 10029-A	1.0425-P265GH - EN 10028-2:03 - (AD-W1)		280,6 kg		-
GTS-021206	301	41	FILTERELEMENT SUPPORT	90/1104 - H		ASSEMBLY		1240,7 kg		-
GTS-021207	301.1	1	SEAMLESS TUBE	ø 114,3 mm x 6,3 mm x 1180 mm	DIN EN 10216-2	1.0345-P235GH - EN 10216-2 - (AD-W4)		18,8 kg		-
GTS-021209	301.2	1	RING	ø 152 mm - ø 90 mm x 10 mm	DIN EN 10029	1.0038-S235JR G2 - EN 10025		0,8 kg		-
IP-072-005	301.3	1	FILTERCOVER	ø 152 mm / 18 mm x 10 mm	VWN 2034	1.0038-S235JR G2 - EN 10025		1,0 kg		-
GTS-021210	301.4	1	HOLDER	ø 16 mm	DIN EN 10060	1.0038-S235JR G2 - EN 10025		1,9 kg	with thread M16	-
GTS-008102	301.5	2	HEX. NUT	M 16	DIN EN ISO 4032	5-2 - DIN EN 20898-2	SI	0,1 kg	zinc-plated	-
GTS-021211	301.6	1	PLATE	5 mm x 42,9 mm x 1090 mm	DIN EN 10029	1.0038-S235JR G2 - EN 10025		1,0 kg		-
GTS-021212	301.7	2	PLATE	5 mm x 42,9 mm x 150 mm	DIN EN 10029	1.0038-S235JR G2 - EN 10025		0,4 kg		-
IP-056-285	301.8	1	CARTRIDGE	DuoToV 90/1104-Al		COALESCER		6,1 kg		-
GTS-021243	302	2	ROLL	ø 80 mm x 100 mm	DIN EN 10060	1.0038-S235JR G2 - EN 10025		6,6 kg		-
-	303	2	L-STEEL BAR	L150x75x9 - 1700,000 mm	DIN EN 10056-1	1.0038-S235JR G2 - EN 10025		52,1 kg		-
GTS-021246	304	2	BOLT	ø 29 mm x 135 mm	DIN EN 10060	1.0037-S235JR - EN 10025		1,4 kg		-
GTS-021247	305	1	GRATING	# 1 #		1.0038-S235JR G2 - EN 10025		4,8 kg		-
GTS-021248	306	1	GRATING	# 2 #		1.0038-S235JR G2 - EN 10025		2,6 kg		-
GTS-021250	307	1	GRATING	# 3 #		1.0038-S235JR G2 - EN 10025		2,6 kg		-
GTS-021249	308	2	FLAT IRON	8 mm x 70 mm x 450 mm	DIN EN 10058	1.0038-S235JR G2 - EN 10025		3,2 kg		-
GTS-021436	309	68	FLAT IRON	5 mm x 70 mm x 70,7 mm	DIN EN 10058	1.0038-S235JR G2 - EN 10025		13,2 kg		-
GTS-021236	310	1	GASKET	ødi: 1415 mm (øff: 1425 mm) - ø 12 mm - 50 Shore A		NBR		0,5 kg		-



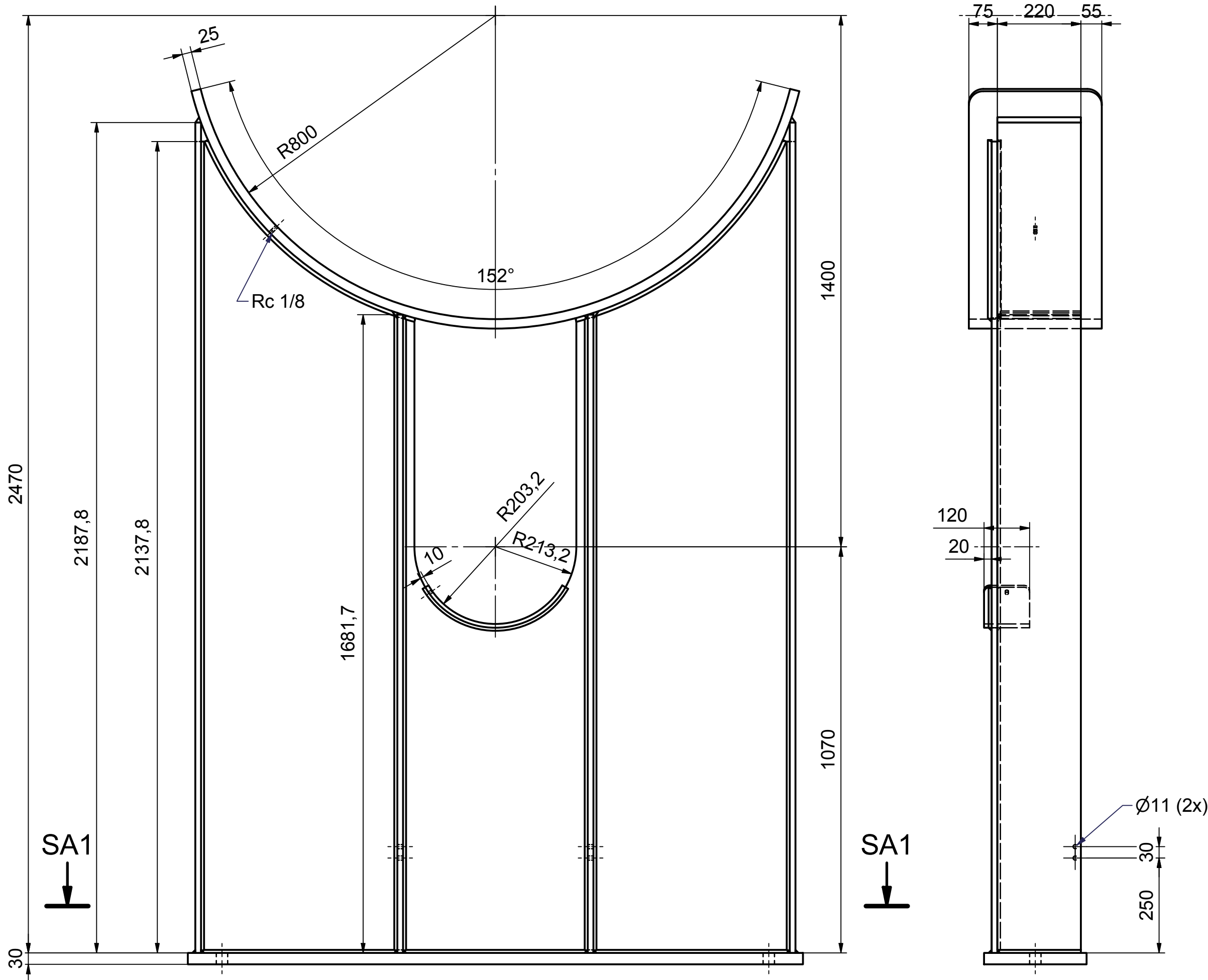




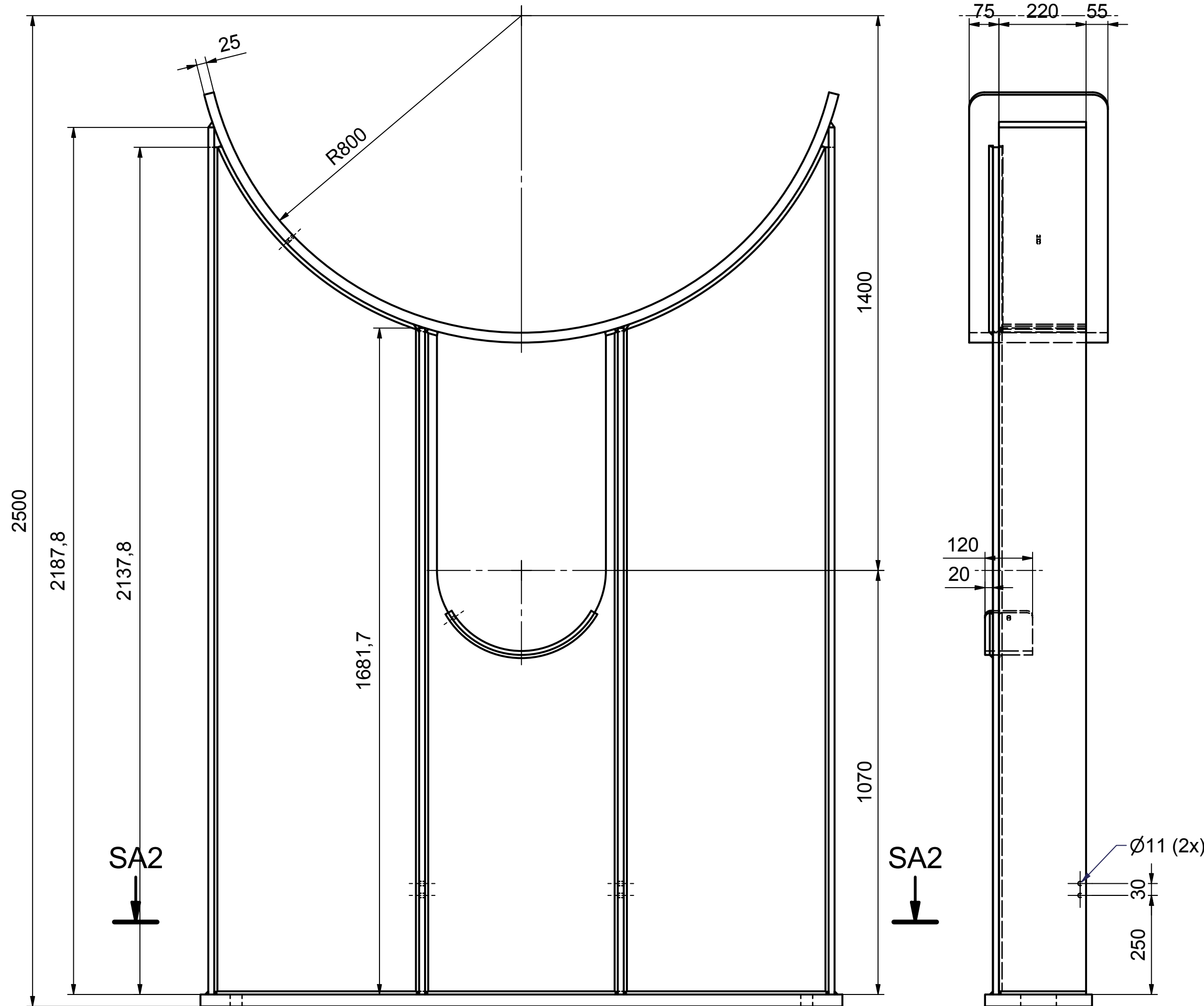
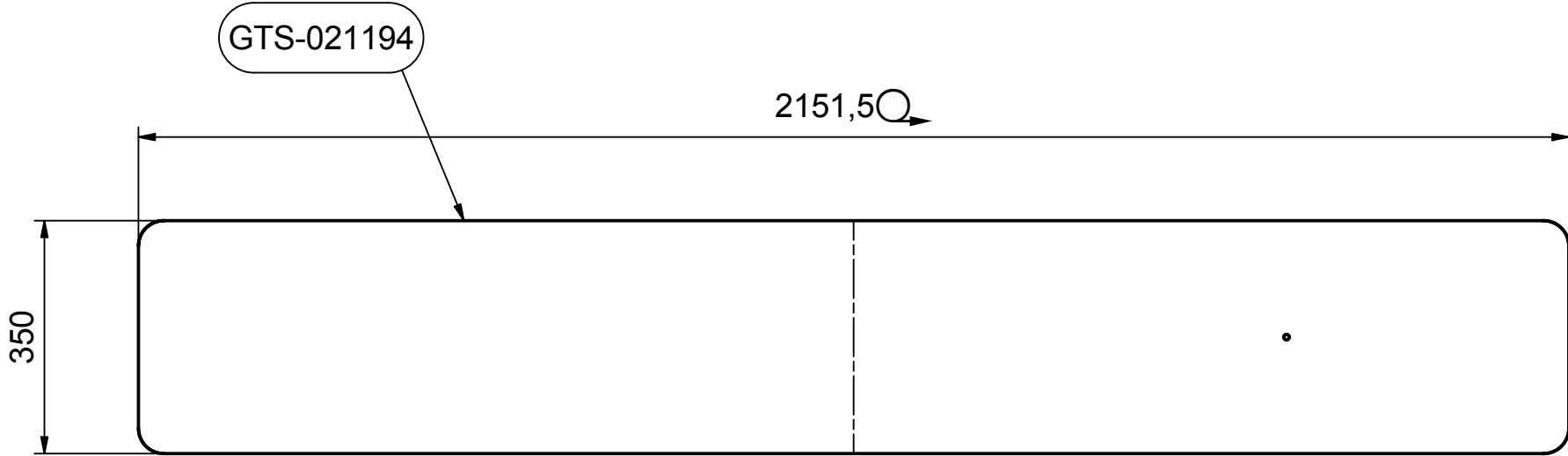
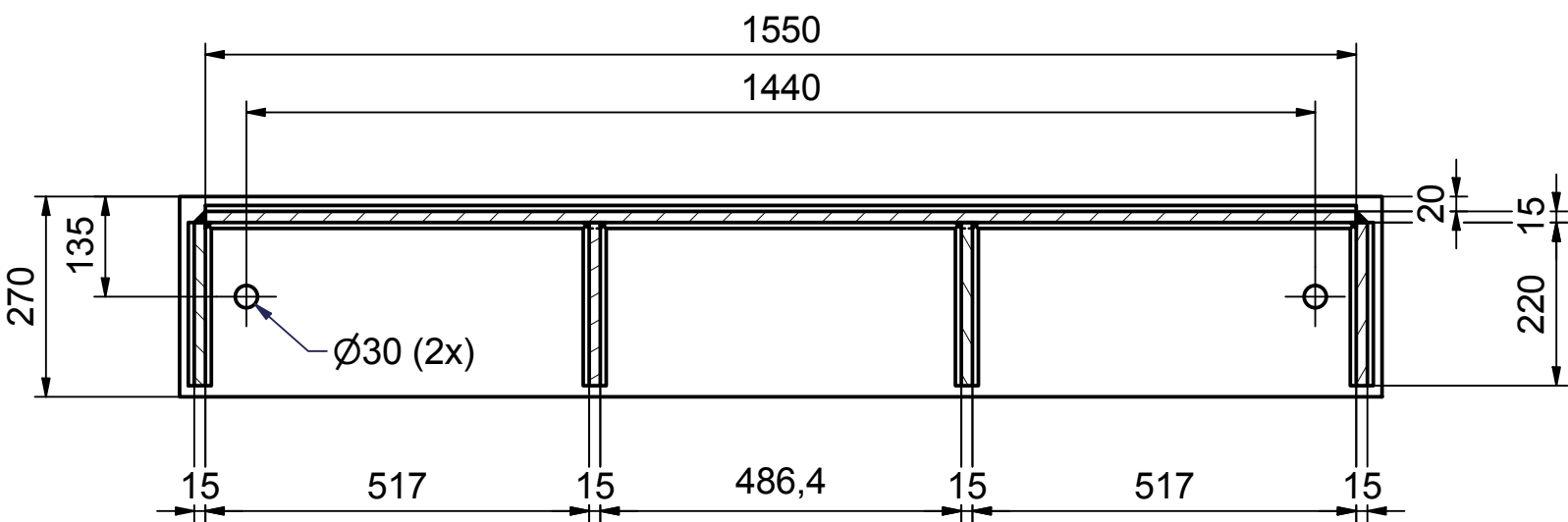
c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE	C.Stumpf
b	09.11.2018	ADD PI-NOZZLE	C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.	C.Stumpf
REV.	DATUM	ÄNDERUNG	NAME
REVISION			
ISO 128	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13920-BF	THIELMANN
Methode	Ø 128	ISO 2768-mK	ENERGIETECHNIK GMBH
EN ISO 1302	SURFACES:	EN ISO 1302	Dormannweg 48
CUSTOMER:	ALL NON DIM. EDGES:	0.3x45° broken	D-34123 Kassel
Stendhal s.r.o.			THIELMANN ENERGIETECHNIK
PROJECT: Compressor Station Jirkov (CZ)			Schutzvermerk ISO 16016 beachten! Alle Rechte vorbehalten! Refer to protection notice ISO 16016. All rights reserved!
Client Job No.:	Date	Name	TITLE: Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR
0315-218114-07	11.10.2018	C.Stumpf	
GTS Order No.:	Design	Drawn	TYPE: VSFA-H-CV 41.1600.74.700.3
2181214	16.11.2018	C.Stumpf	
SCALE:	WEIGHT:	DRAWING No.:	REV. Sheet
1:10	1608 kg		6
GTS-021115			10

ID	POS.	PCS.	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev.
GTS-021194	150	1	REINFORC. PAD	25 mm x 350 mm x 2151,50 mm (α:152,00 grd)	DIN EN 10029	1.0566-P355NL1 - EN 10028-3:03 - (AD-W1)	3.1	147,8 kg		-
GTS-021195	151	1	REINFORC. PAD	10 mm x 120 mm x 434,8 mm (α:120 grd)	DIN EN 10029	1.0566-P355NL1 - EN 10028-3:03 - (AD-W1)	3.1	4,1 kg		-
GTS-021190	152	1	PLATE	15 mm x 1550,5 mm x 2138 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	289,4 kg		-
GTS-021192	153	2	PLATE	15 mm x 220 mm x 2187,8 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	113,4 kg		-
GTS-021217	154	1	PLATE	30 mm x 270 mm x 1620 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	102,7 kg		-
GTS-021193	155	2	PLATE	15 mm x 220 mm x 1681,7 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	87,1 kg		-

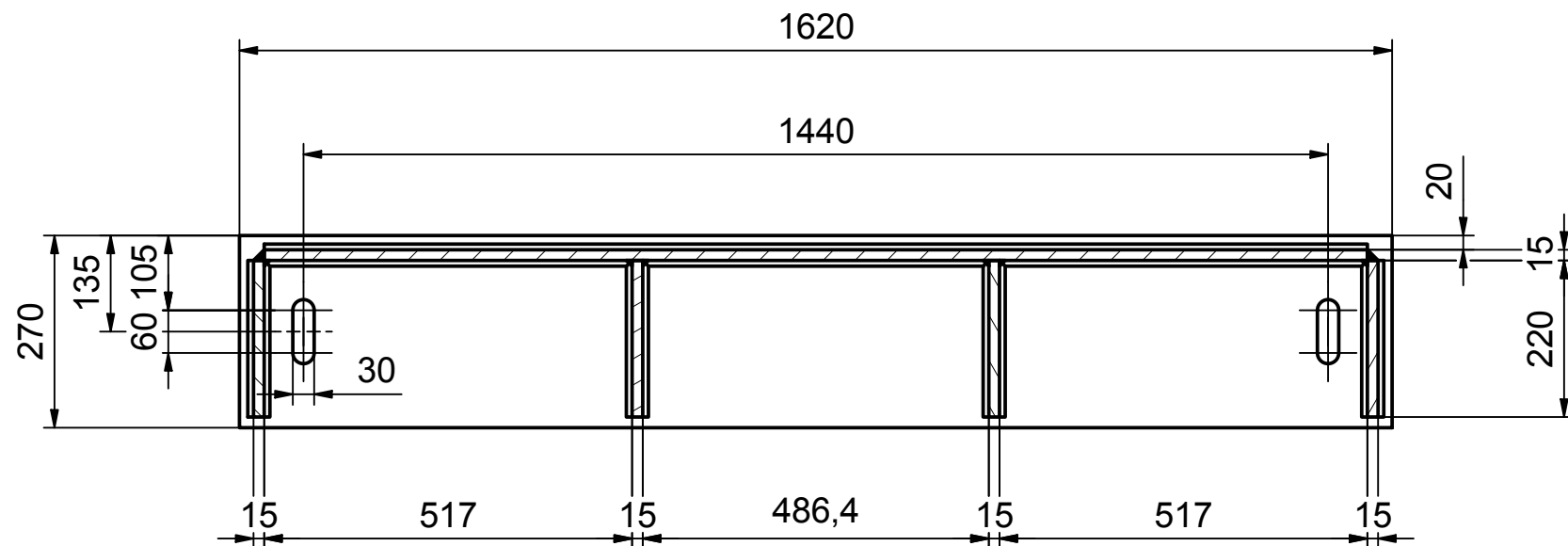
ID	Pos.	Anz.	Benennung	Fertigmaße	Norm	Werkstoff	WAZ	Gewicht	Bemerkung	Rev.
GTS-021194	100	1	Verstärkungsblech	25 mm x 350 mm x 2151,50 mm (α:152,00 grd)	DIN EN 10029	1.0566-P355NL1 - EN 10028-3:03 - (AD-W1)	3.1	147,8 kg		-
GTS-021195	101	1	Verstärkungsblech	10 mm x 120 mm x 434,8 mm (α:120 grd)	DIN EN 10029	1.0566-P355NL1 - EN 10028-3:03 - (AD-W1)	3.1	4,1 kg		-
GTS-021190	102	1	Blech	15 mm x 1550,5 mm x 2138 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	289,4 kg		-
GTS-021192	103	2	Blech	15 mm x 220 mm x 2187,8 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	113,4 kg		-
GTS-021191	104	1	Blech	30 mm x 270 mm x 1620 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	101,8 kg		-
GTS-021193	105	2	Blech	15 mm x 220 mm x 1681,7 mm	DIN EN 10029	1.0425-P265GH - EN 10028-2:03 - (AD-W1)	3.1	87,1 kg		-





SA1-SA1  
(1 : 10)

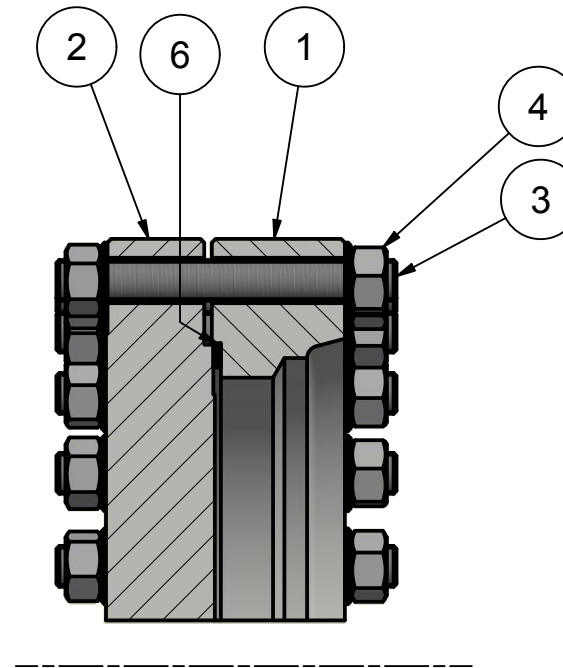
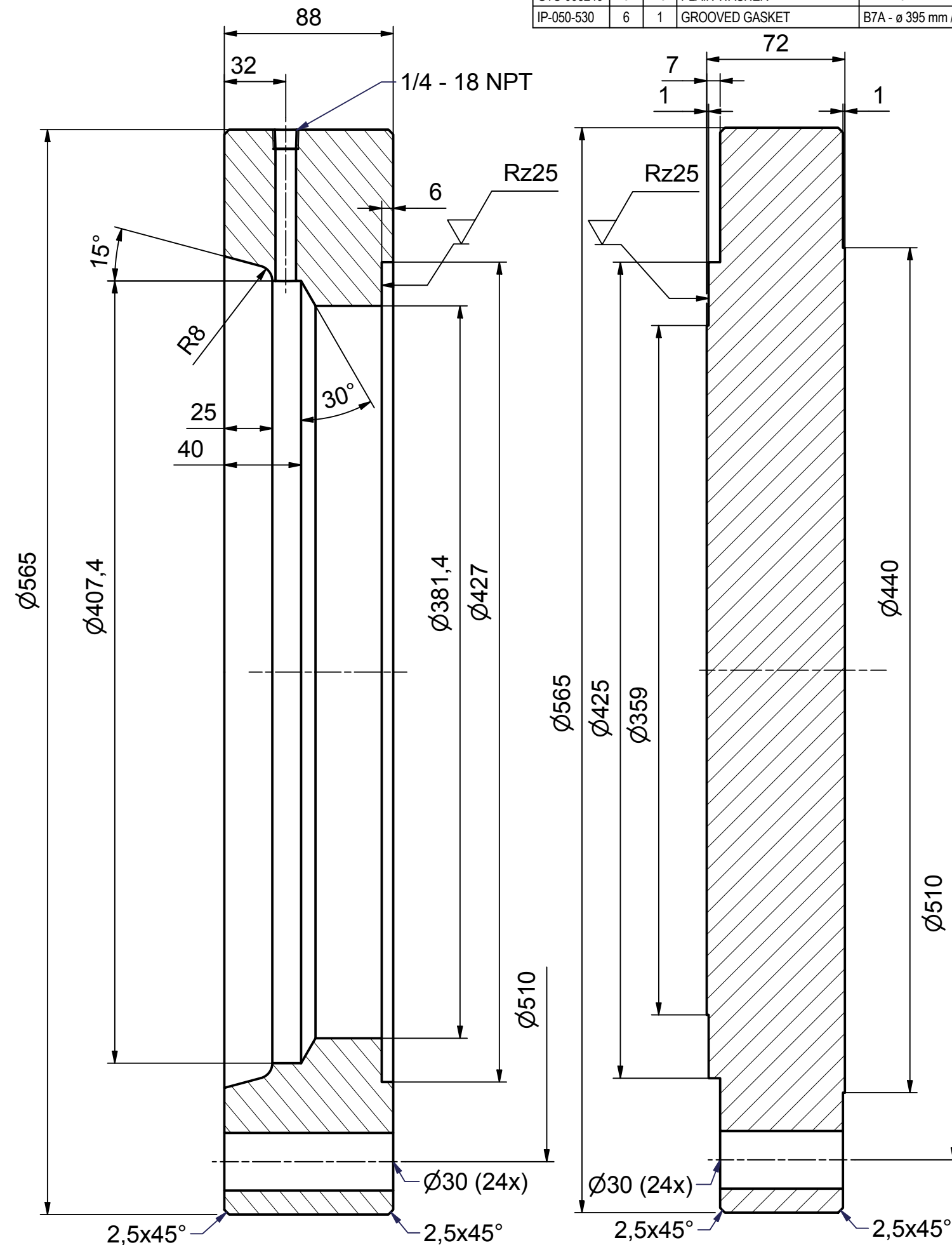





SA2-SA2  
(1 : 10)



c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE		C.Stumpf
b	09.11.2018	ADD PI-NOZZLE		C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.		C.Stumpf
REV.	DATUM	ÄNDERUNG		NAME
REVISION				
ISO 128 Methode	FLANGE HOLES 	GENERAL TOLERANCES: EN ISO 13920-BF ISO 2768-mK EN ISO 1302 SURFACES: ALL NON DIM. EDGES: 0.3x45° broken	 THIELMANN ENERGIETECHNIK GMBH Dormannweg 48 D-34123 Kassel	
CUSTOMER:	Stendhal s.r.o.			
PROJECT: Compressor Station Jirkov (CZ)				
Client Job No.:	Date	Name	TITLE: Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR	
0315-218114-07	11.10.2018	C.Stumpf		
GTS Order No.:	Drawn			
2181214	Appr. 16.11.2018	C.Stumpf	TYPE: VSFA-H-CV 41.1600.74.700.3	
SCALE:	WEIGHT:	DRAWING No.:	REV.	Sheet
1 : 10	754 kg	GTS-021115	c	of 10

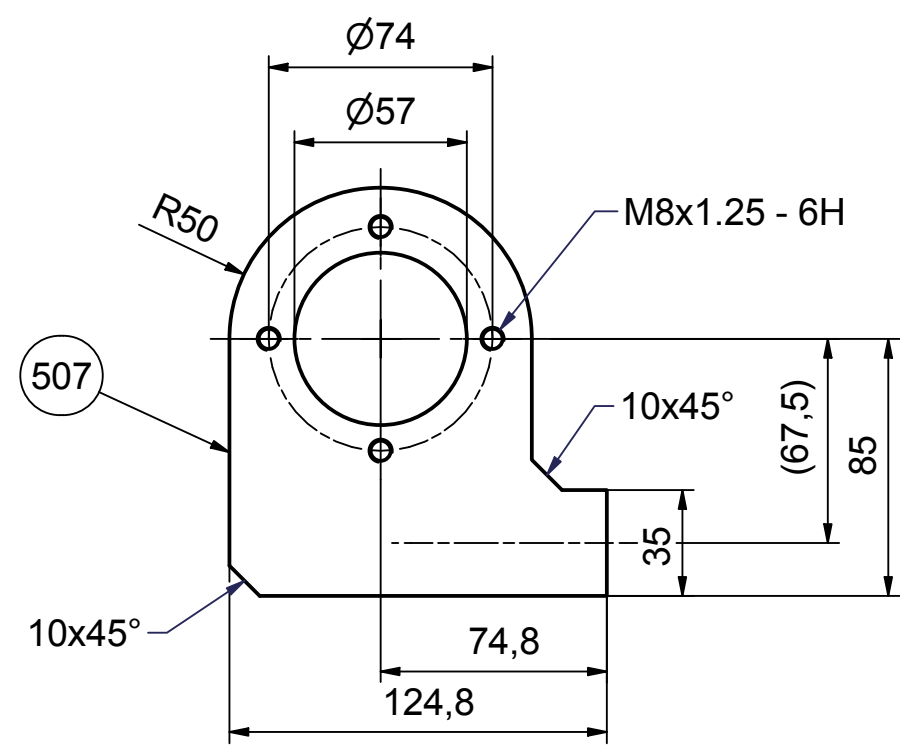
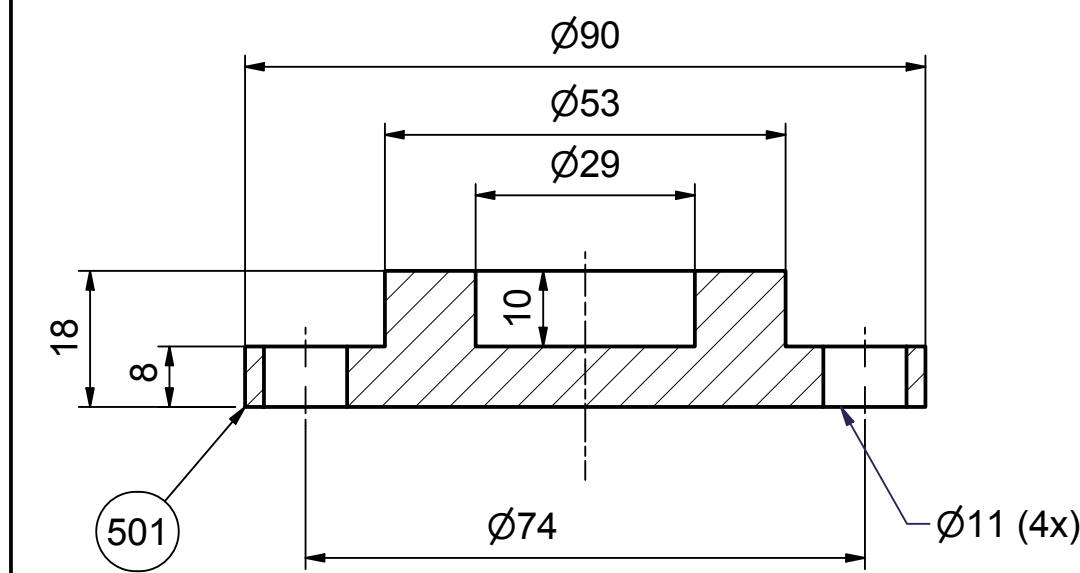
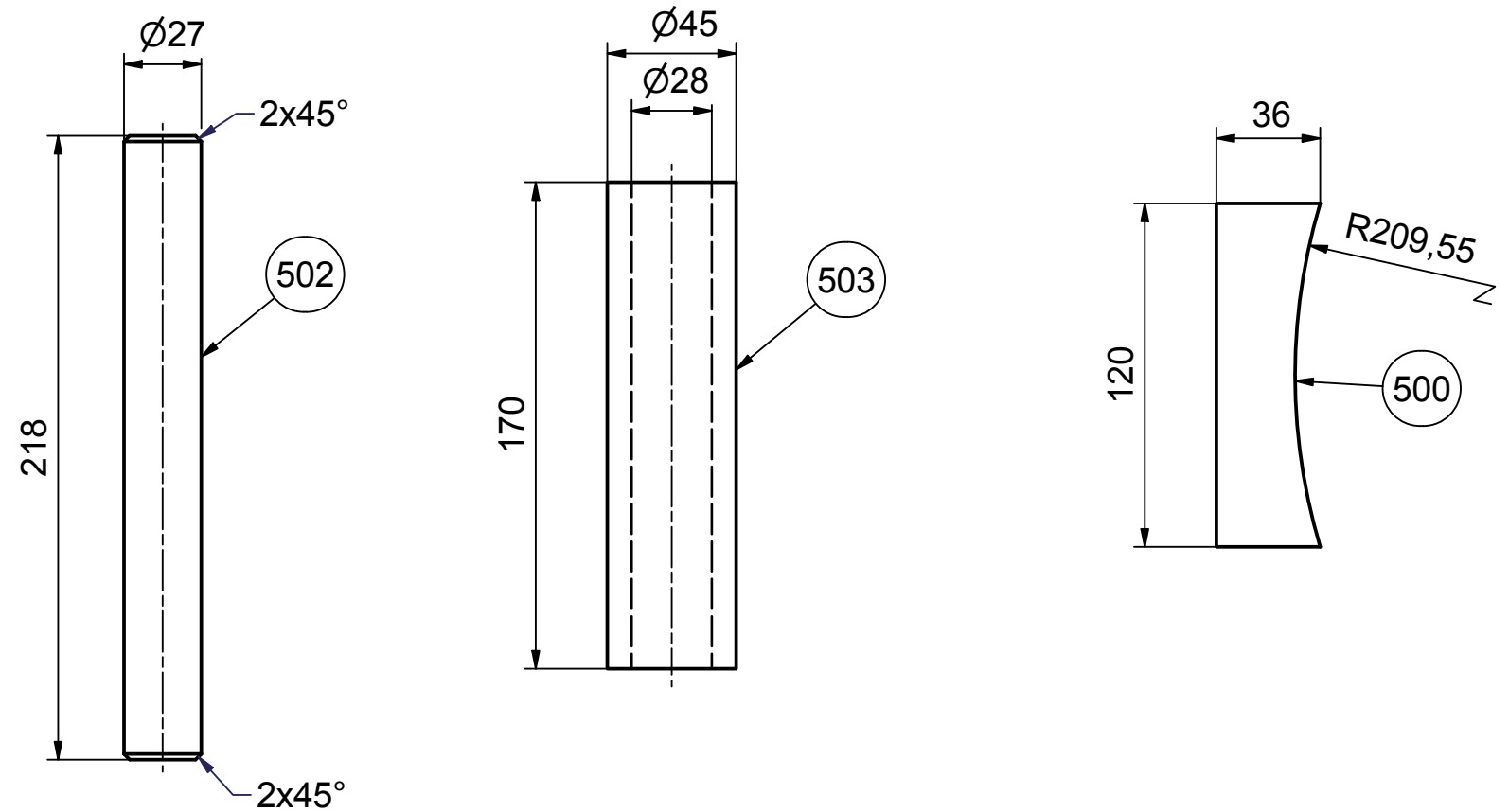
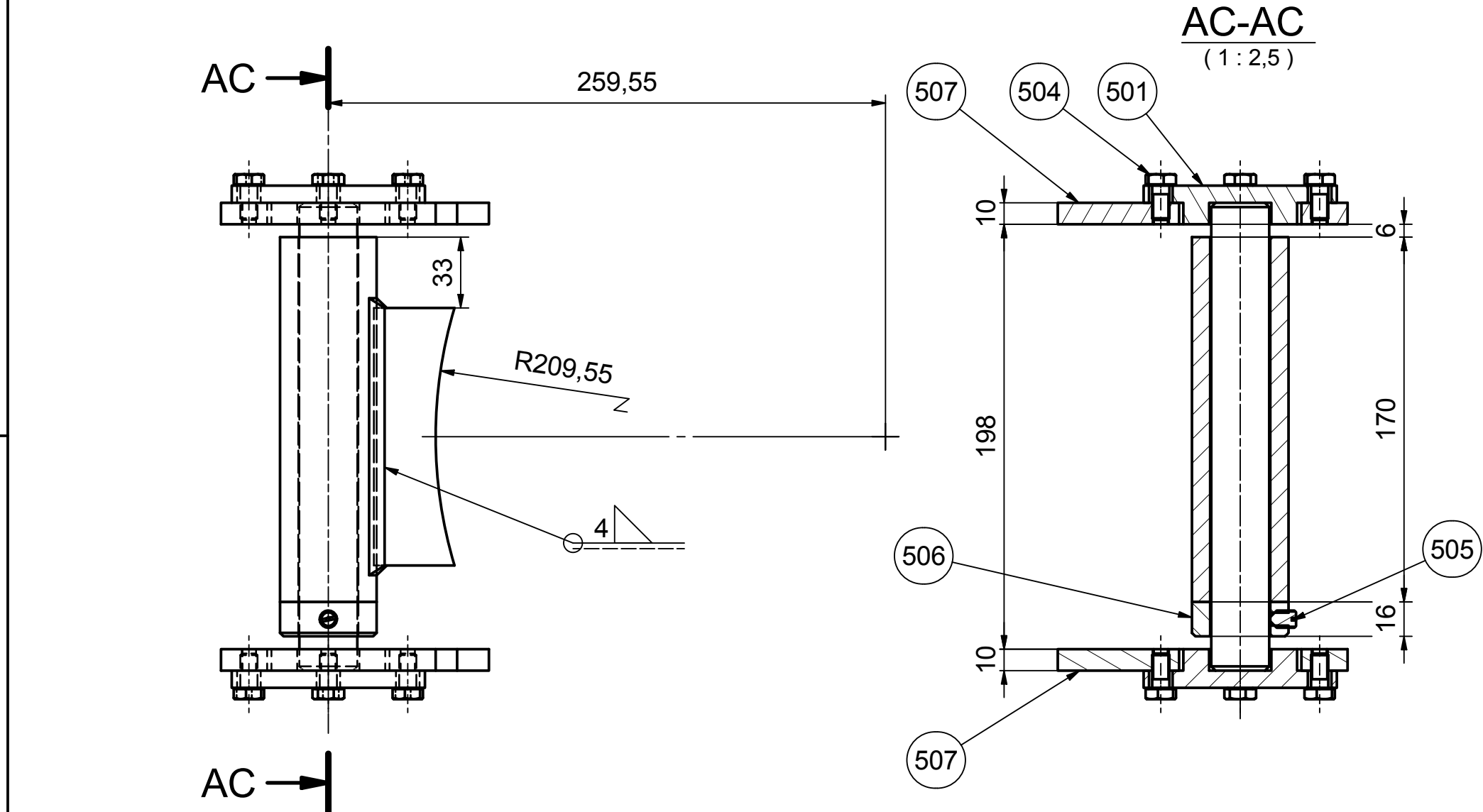
ID	POS.	PCS.	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev.
GTS-021220	1	1	VESSELFLANGE	ø 565 mm - ø 381,4 mm x 88 mm # F 400.76.85-AD	DIN EN 10029-A	1.0566-P355NL1 - EN 10028-3:1993	3.2	73,2 kg		-
GTS-021219	2	1	BLINDFLANGE	ø 565 mm x 72 mm # D 400.76.85-AD	DIN EN 10029-A	1.0566-P355NL1 - EN 10028-3:1993	3.2	126,0 kg		-
GTS-021222	3	24	THREADED RODS	M27 x 225 mm	DIN 976-1	1.7218-25CrMo4 - EN 10269:2013	3.2	24,1 kg		-
-	4	48	HEX. NUT	M 27	DIN EN ISO 4032	C 35 N - DIN 267 Tl.13	St	8,8 kg	zinc-plated	
GTS-008249	5	48	PLAIN WASHER	27 - 140 HV	DIN EN ISO 7090	Stahl		1,9 kg	zinc-plated - A5G	
IP-050-530	6	1	GROOVED GASKET	B7A - ø 395 mm / 425 mm x 5 mm		Weicheisen/Graphit		0,8 kg		-



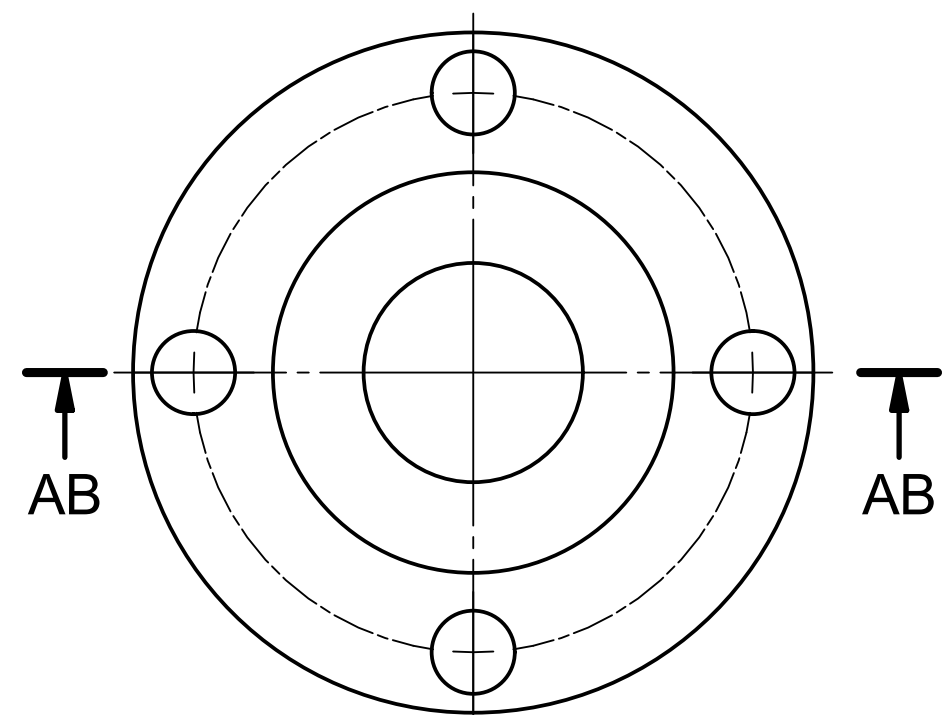
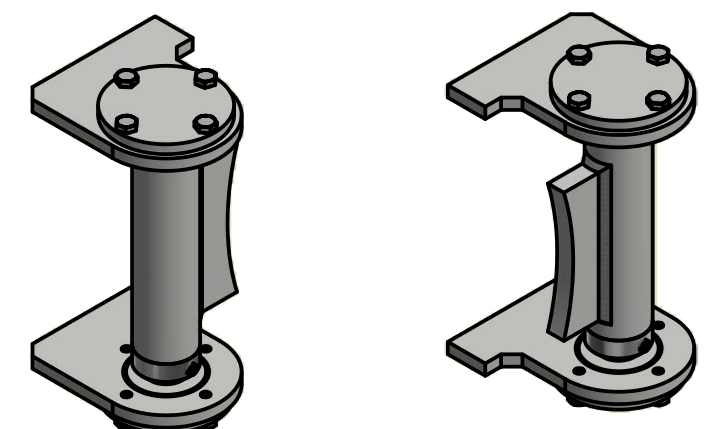
c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE							C.Stumpf		
b	09.11.2018	ADD PI-NOZZLE							C.Stumpf		
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.							C.Stumpf		
REV.	DATUM	ÄNDERUNG							NAME		
REVISION											
ISO 128 Methode		FLANGE HOLES		GENERAL TOLERANCES: EN ISO 13920-BF ISO 2768-mK					<div>THIELMANN ENERGIETECHNIK GMBH Dormannweg 48 D-34123 Kassel</div>		
				SURFACES: EN ISO 1302 ALL NON DIM. EDGES: 0,3x45° broken							
CUSTOMER:				Stendhal s.r.o.					THIELMANN ENERGIETECHNIK		Schutzvermerk ISO 16016 beachten. Alle Rechte vorbehalten! Refer to protection notice ISO 16016. All rights reserved!
PROJECT:				Compressor Station Jirkov (CZ)							
Client Job No.:				Date	Name		TITLE:				
0315-218114-07			Design	11.10.2018	C.Stumpf		Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR				
GTS Order No.:			Drawn				TYPE:				
2181214			Appr.	16.11.2018	C.Stumpf		VSFA-H-CV 41.1600.74.700.3				
SCALE:			WEIGHT:					DRAWING No.:		REV.	Sheet
1:2,5			235 kg					GTS-021115		c	8
										of	10



ID	POS	PCS	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev
GTS-021161	501	2	COVER	ø 90 mm x 18 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		1,0 kg		-
GTS-021160	503	1	BUSHING	ø 45 mm - ø 28 mm x 170 mm	DIN EN 10060	1.0038-S235JRG2 - EN 10025		1,3 kg		-
GTS-021159	502	1	BOLT	ø 27 mm x 218 mm	DIN EN 10060	1.0038-S235JRG2 - EN 10025		1,0 kg		-
-	506	1	ADJUSTING RING	ø 28 - Form B	DIN 705	Stahl, weich		0,1 kg		
-	505	1	THREADED PIN	M8 x 12 mm	DIN EN 27434	5.6 - DIN EN ISO 898-1		0,0 kg	zinc-plated	
GTS-021162	500	1	PLATE	15 mm x 36,3 mm x 120 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		0,4 kg		-
-	504	8	SCREW	M 8 x 16	DIN EN ISO 4017	8.8 - DIN EN ISO 898-1		0,1 kg	zinc-plated - A3C	
GTS-021163	507	2	PLATE	10 mm x 135 mm x 124,8 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		1,7 kg		-



Anbau LINKS (1 : 5)      Anbau RECHTS (1 : 5)

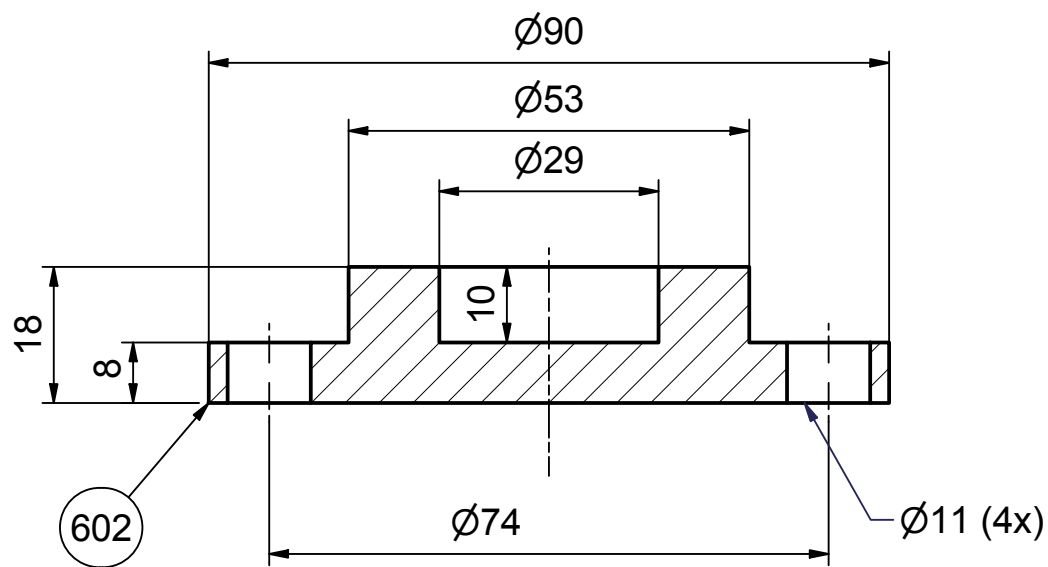
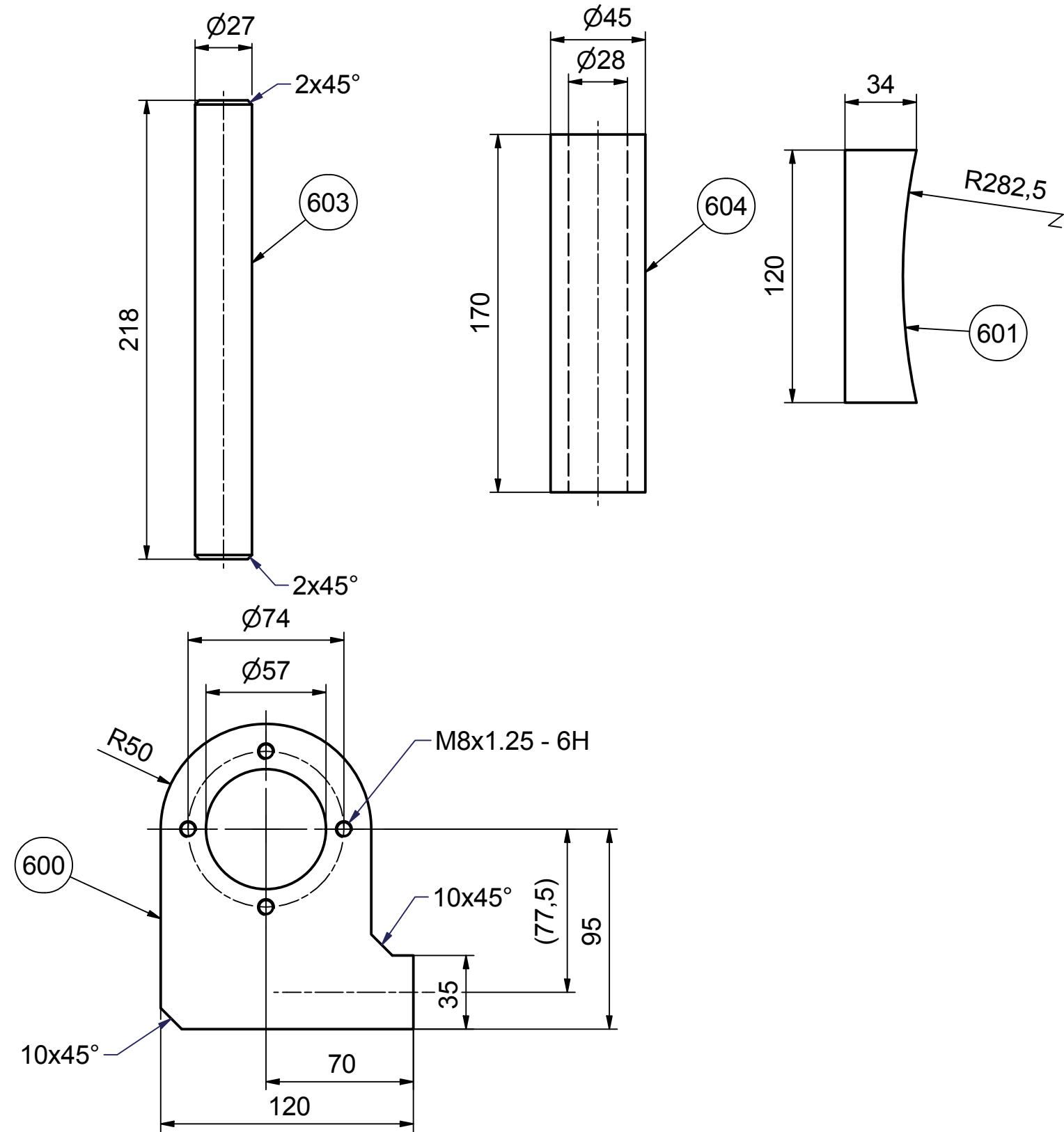
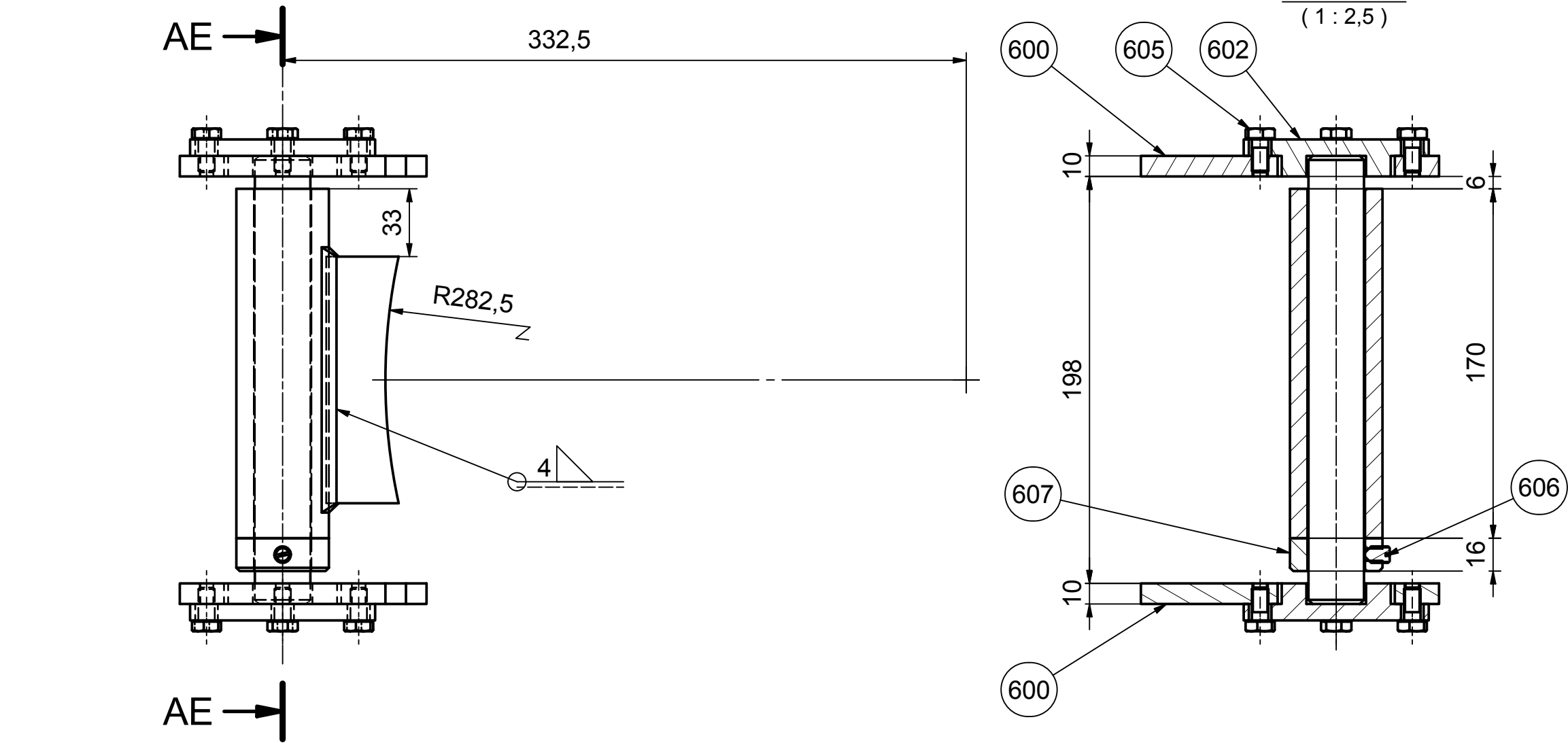


c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE	C.Stumpf
b	09.11.2018	ADD PI-NOZZLE	C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.	C.Stumpf
REV.	DATUM	ÄNDERUNG	NAME
REVISION			
ISO 128 Methode	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13920-BF ISO 2768-mK SURFACES: ALL NON DIM. EDGES: 0,3x45° broken	THIELMANN ENERGIE-TECHNIK GMBH Dormannweg 48 D-34123 Kassel
CUSTOMER: Stendhal s.r.o.			THIELMANN ENERGIE-TECHNIK
PROJECT: Compressor Station Jirkov (CZ)			Schutzvermerk ISO 16016 beachten. Alle Rechte vorbehalten! Refer to protection notice ISO 16016. All rights reserved!
Client Job No.: 0315-218114-07	Design	Date: 11.10.2018	Name: C.Stumpf
GTS Order No.: 2181214	Drawn	Appr.	16.11.2018 C.Stumpf
SCALE: 1 : 2,5	WEIGHT: 6 kg	TITLE: Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR	
DRAWING No.: GTS-021115		REV. Sheet 9	c of 10



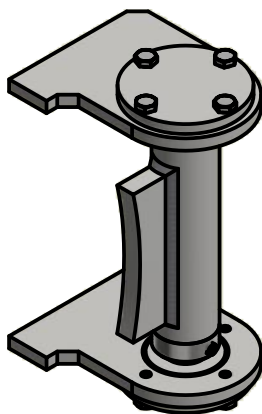
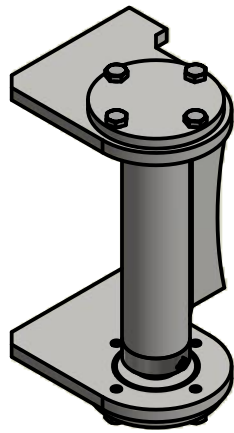
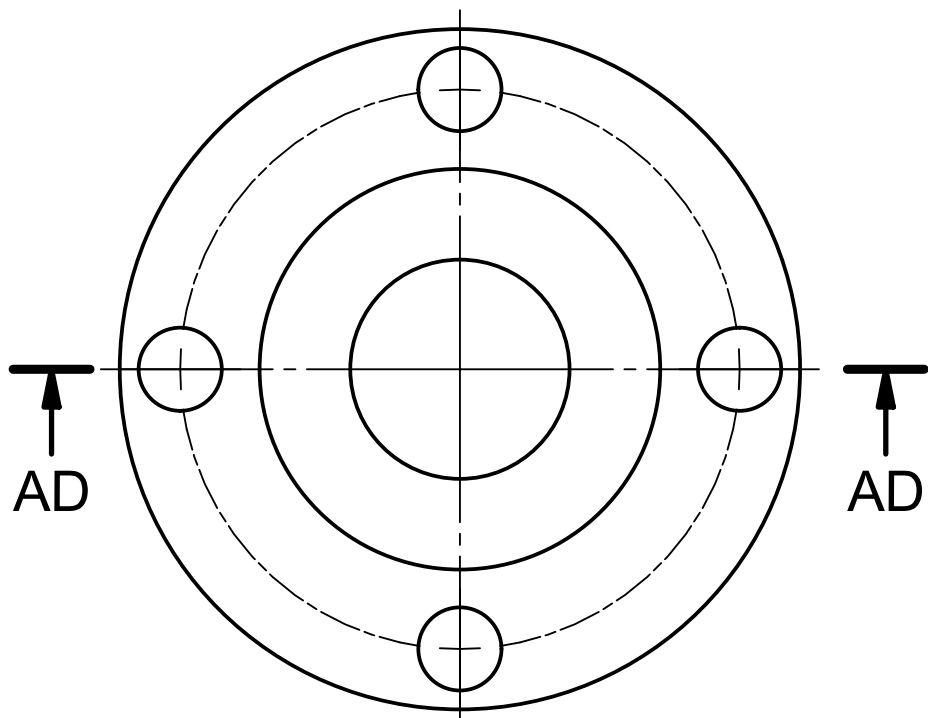
ID	POS	PCS	DESIGNATION	ACTUAL DIMENSIONS	STANDARD	MATERIAL	CERT.	WEIGHT	REMARKS	Rev
GTS-021158	600	2	PLATE	10 mm x 145 mm x 120 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		1,8 kg		-
GTS-021161	602	2	COVER	ø 90 mm x 18 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		1,0 kg		-
GTS-021160	604	1	BUSHING	ø 45 mm - ø 28 mm x 170 mm	DIN EN 10060	1.0038-S235JRG2 - EN 10025		1,3 kg		-
GTS-021159	603	1	BOLT	ø 27 mm x 218 mm	DIN EN 10060	1.0038-S235JRG2 - EN 10025		1,0 kg		-
-	607	1	ADJUSTING RING	ø 28 - Form B	DIN 705	Stahl, weich		0,1 kg		
-	606	1	THREADED PIN	M8 x 12 mm	DIN EN 27434	5.6 - DIN EN ISO 898-1		0,0 kg	zinc-plated	
GTS-021157	601	1	PLATE	15 mm x 33,9 mm x 120 mm	DIN EN 10029	1.0038-S235JRG2 - EN 10025		0,4 kg		-
-	605	8	SCREW	M 8 x 16	DIN EN ISO 4017	8.8 - DIN EN ISO 898-1		0,1 kg	zinc-plated - A3C	

AE-AE  
( 1 : 2,5 )



Anbau LINKS  
( 1 : 5 )

Anbau RECHTS  
( 1 : 5 )



c	16.11.2018	DETAIL OF QUICK OPENING CLOSURE	C.Stumpf
b	09.11.2018	ADD PI-NOZZLE	C.Stumpf
a	05.11.2018	TESTPRESSURE, NOZZLE ORIENTATION N01, NOZZLE LS3+LS4, MAT-CERT.	C.Stumpf
REV.	DATUM	ÄNDERUNG	NAME
REVISION			
ISO 128 Methode	FLANGE HOLES	GENERAL TOLERANCES: EN ISO 13920-BF ISO 2768-mK SURFACES: EN ISO 1302 ALL NON DIM. EDGES: 0,3x45° broken	THIELMANN ENERGIETECHNIK GMBH Dormannweg 48 D-34123 Kassel
CUSTOMER:	Stendhal s.r.o.		
PROJECT:	Compressor Station Jirkov (CZ)		
Client Job No.:	0315-218114-07	Date 11.10.2018	Name C.Stumpf
GTS Order No.:	2181214	Drawn 16.11.2018	C.Stumpf
SCALE:	1 : 2,5	WEIGHT:	6 kg
DRAWING No.:			REV. Sheet 10 of 10
TITLE:			Staubflüssigkeitsabscheider DUST-LIQUID-SEPARATOR
TYPE:			VSFA-H-CV 41.1600.74.700.3
DRAWING No.:			GTS-021115