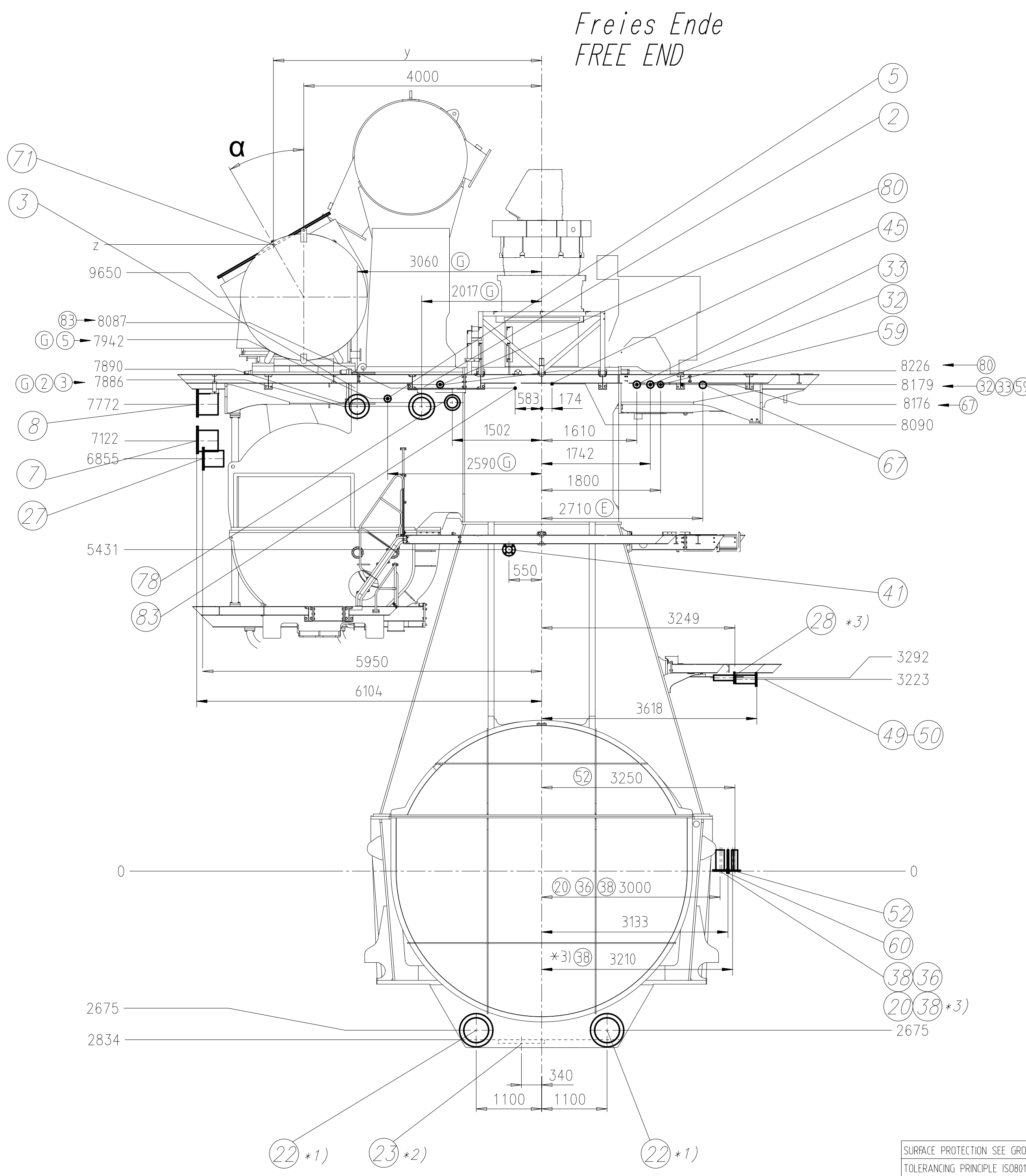
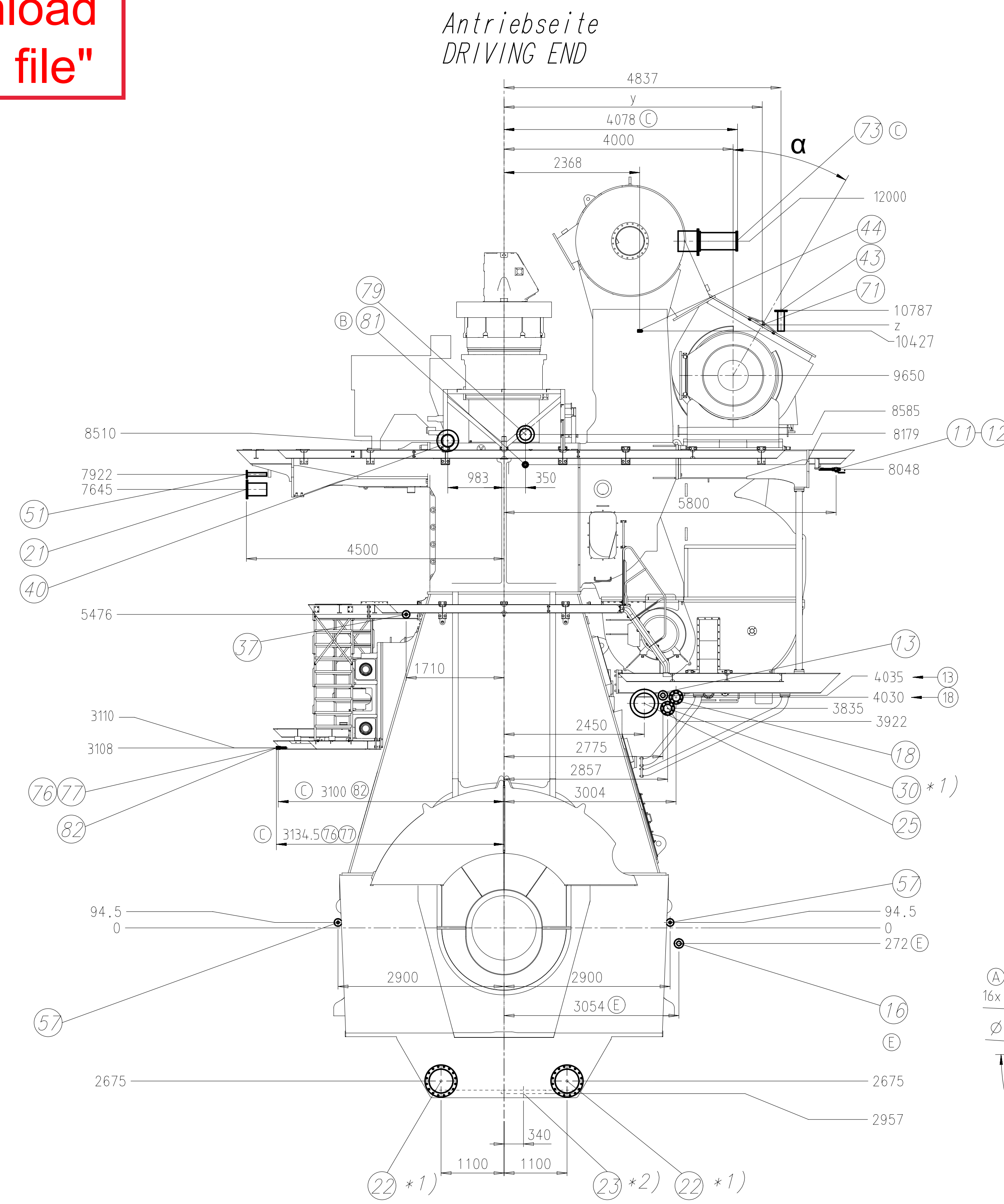
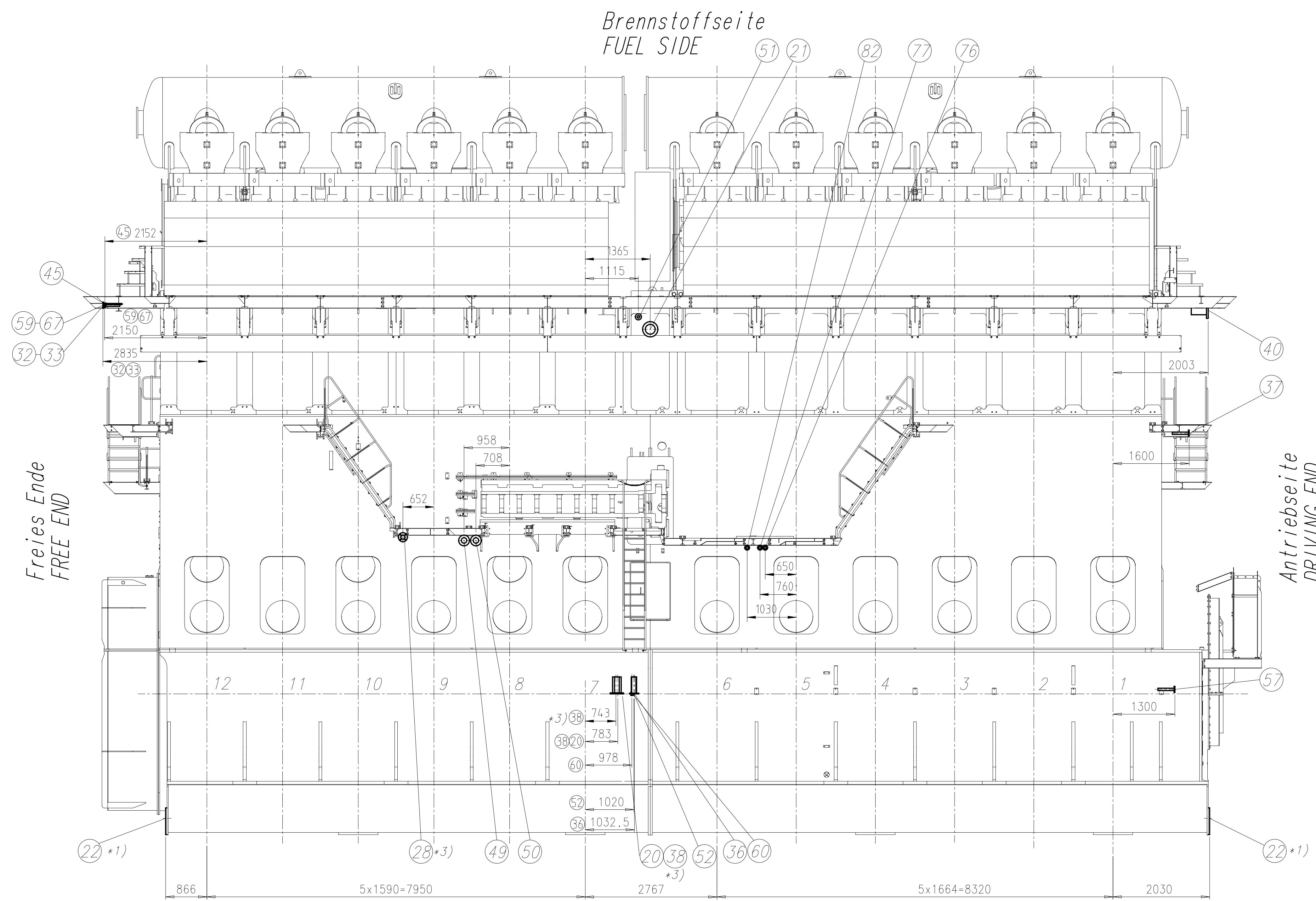
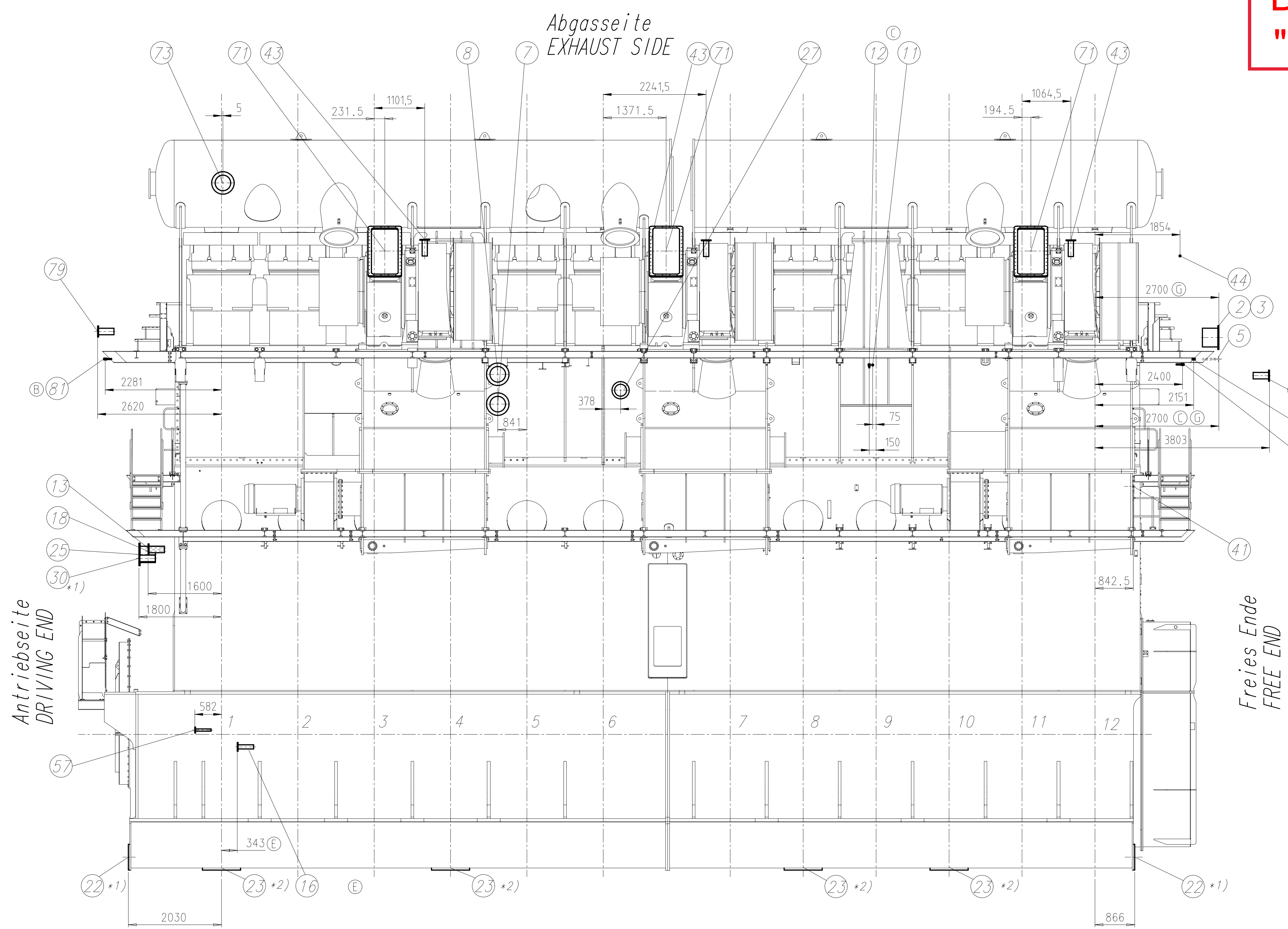



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Gasaustritts-Stellung GAS OUTLET POSITION  α	Y	Z
0°	4000	10670
15°	4264	10635
30°	4510	10533
45°	4721	10371

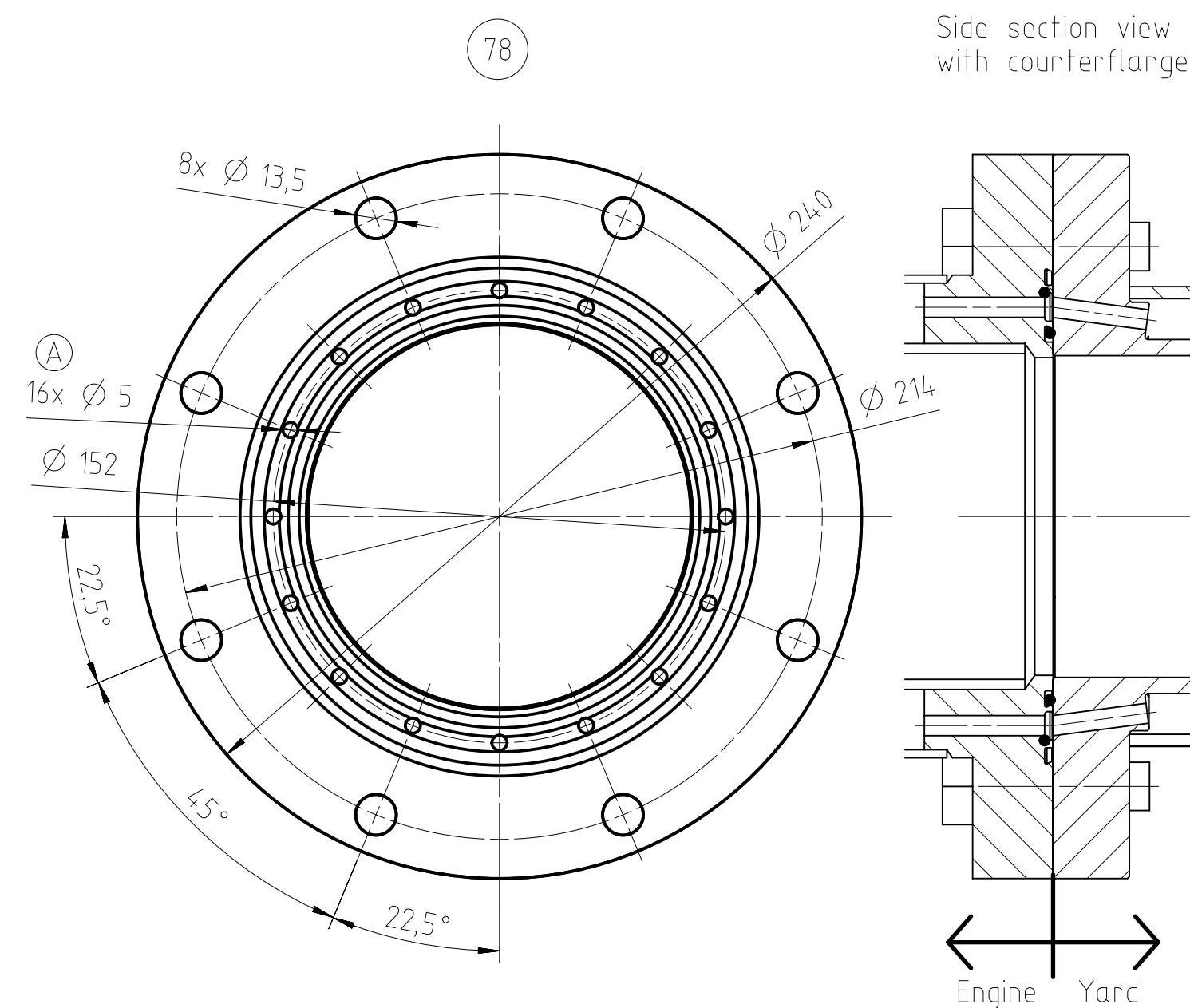
DIMENSIONS FOR REFERENCE ONLY. TECHNICAL MODIFICATIONS RESERVED.
LATER ADAPTATIONS ARE POSSIBLE BASED ON PROJECT REQUIREMENTS
AND RELATED DETAIL DESIGN.
THIS PIPE CONNECTION PLAN MAY NOT BE USED FOR FINAL DESIGN!

Alle Flanschanschlüsse am Motor sind mit Gegenflanschen versehen (Blindflansch), ausgenommen der Anschluss fuer den Gasaustritt am Turbolader. Die Blindflansche sind nach dem betreffenden Rohrdurchmesser des Werflanschlusses aufzubohren, THE PIPE CONNECTIONS ON THE ENGINE ARE SUPPLIED WITH MATING FLANGES (BLIND), WITH EXCEPTION OF THE TURBO-CHARGER EXHAUST GAS OUTLET. BLIND FLANGES TO BE DRILLED TO MATCH PIPE DIA SUPPLIED BY THE SHIPYARD.



Die Gewinde-Anschlüsse werden komplett geliefert
SCREWED CONNECTIONS ARE SUPPLIED COMPLETE

- *1) Optionelle Ausführung (wenn verlangt)
OPTIONAL EXECUTION (IF REQUIRED)
- *2) Standard Ausführung
STANDARD EXECUTION
Vorschlag Endgültige Position ist
mit Werft zu bestimmen
PROPOSAL, FINAL POSITION TO BE DETERMINED
IN ACCORDANCE WITH SHIPYARD
- *3) Externale Ausführung (wenn verlangt)
EXTERNAL EXECUTION (IF REQUIRED)

Internes TL Oelssystem
INTERNAL TC OIL SYSTEM



Anschlussprinzip siehe Stueckliste Pos. 002
CONNECTION PRINCIPLE SEE PARTLIST


Prod		12X92DF										
Change History	Q	gylr102	yzh102	09.05.2022	044001851	Yard Connection updated				-	-	
	F	asc102	stsh107	20.08.2022	EAD09556	Legacy information. See corresponding ChangeNotice				4	3	
	E	the102	stsh107	26.03.2022	EAD092829	Legacy information. See corresponding ChangeNotice				4	3	
	-	-	stsh107	mds106	06.04.2018							
	Rev:	Created:	Approved:	Approval Code:	Change ID:	Change Synopsis		Approved		Activity Code:	E	C
		PIPE CONNECTION PLAN										
separate BOM available					Dimension							
Scale 1:50 					Units [mm] [kg]		Basic Material		Net Weight 0.00			
<small>Copyright Wininter Gas & Steel s.r.l. All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without prior written permission from Wininter Gas & Steel s.r.l. Any use not made in accordance with third parties without the written consent of Wininter Gas & Steel s.r.l.</small>					Main Design		Yes Design Group		8020 Q-Code XXXXX		Standard WDS	
					Engine		A0 Item ID		PAD289006		Drawing's 1/2	

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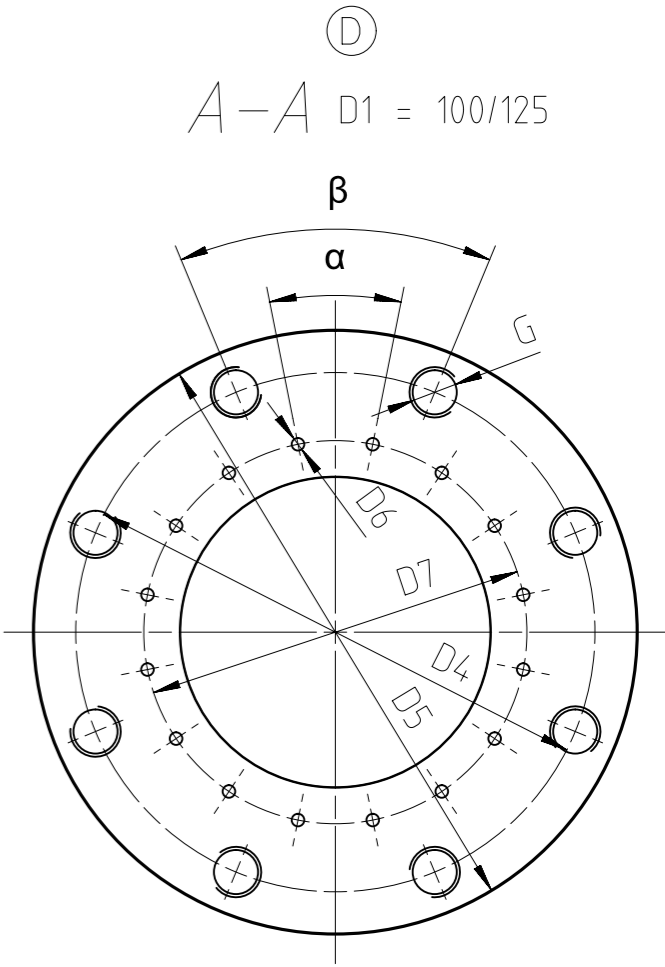
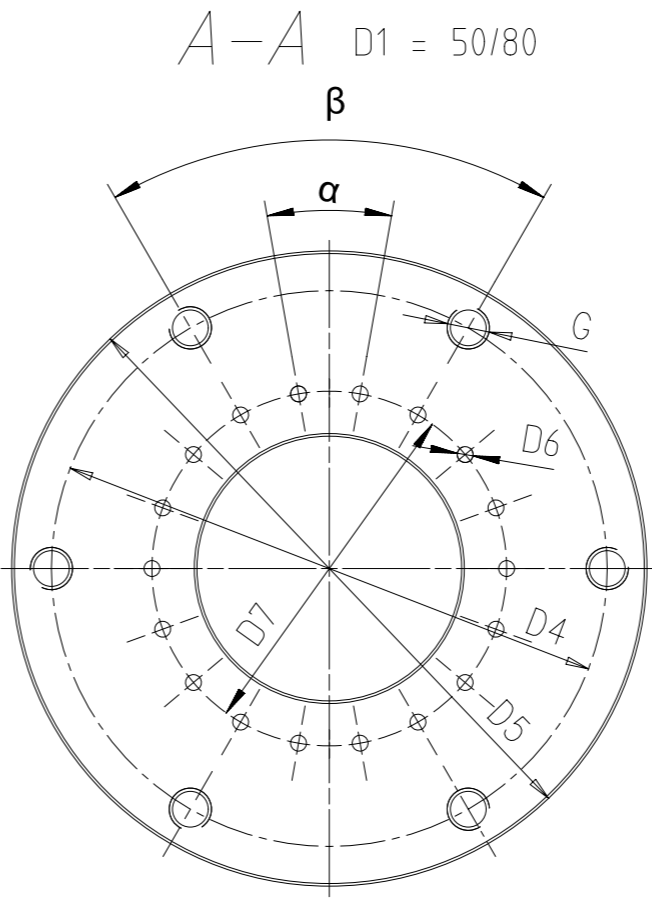
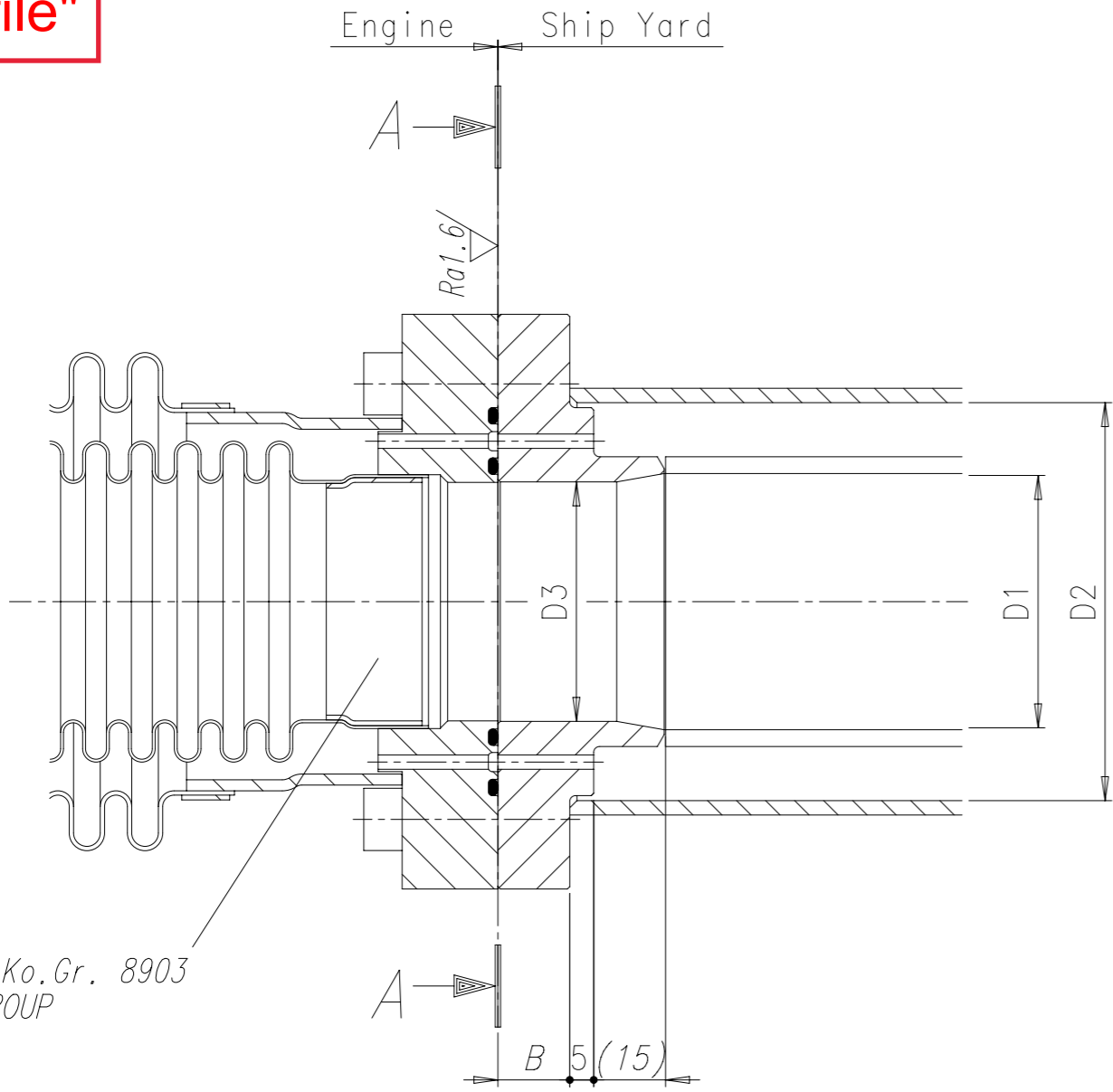
ISO																	
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS					PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
6 bar	25	100	14	75	4	M10	11		16 bar	25	115	16	85	4	M12	14	
	32	120	16	90	4	M12	14			32	140	18	100	4	M16	18	
	40	130	16	100	4	M12	14			40	150	18	110	4	M16	18	
	50	140	16	110	4	M12	14			50	165	19	125	4	M16	18	
	65	160	16	130	4	M12	14			65	185	20	145	8	M16	18	
	80	190	18	150	4	M16	18			80	200	20	160	8	M16	18	
	100	210	18	170	4	M16	18			100	220	22	180	8	M16	18	
	125	240	20	200	8	M16	18			125	250	22	210	8	M16	18	
	150	265	20	225	8	M16	18			150	285	24	240	8	M20	22	
	200	320	22	280	8	M16	18			200	340	26	295	12	M20	22	
	250	375	24	335	12	M16	18			250	405	32	355	12	M24	26	
	300	440	24	395	12	M20	22			300	460	32	410	12	M24	26	
	350	490	26	445	12	M20	22			350	520	35	470	16	M24	26	
	400	540	28	495	16	M20	22			400	580	38	525	16	M27	30	
	450	595	30	550	16	M20	22			450	640	42	585	20	M27	30	
	500	645	30	600	20	M20	22			500	715	46	650	20	M30	33	
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS					PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
10 bar	25	115	16	85	4	M12	14		40 bar	25	115	16	85	4	M12	14	
	32	140	18	100	4	M16	18			32	140	18	100	4	M16	18	
	40	150	18	110	4	M16	18			40	150	18	110	4	M16	18	
	50	165	19	125	4	M16	18			50	165	20	125	4	M16	18	
	65	185	20	145	8	M16	18			65	185	22	145	8	M16	18	
	80	200	20	160	8	M16	18			80	200	24	160	8	M16	18	
	100	220	22	180	8	M16	18			100	235	26	190	8	M20	22	
	125	250	22	210	8	M16	18			125	270	28	220	8	M24	26	
	150	285	24	240	8	M20	22			150	300	30	250	8	M24	26	
	200	340	24	295	8	M20	22			200	375	36	320	12	M27	30	
	250	395	26	350	12	M20	22			250	450	44	385	12	M30	33	
	300	445	26	400	12	M20	22			300	515	48	450	16	M30	33	
	350	505	28	460	16	M20	22			350	580	54	510	16	M33	36	
	400	565	32	515	16	M24	26			400	660	60	585	16	M36	39	
	450	615	38	565	20	M24	26										
	500	670	38	620	20	M24	26										

JIS

PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS					PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
5 bar	25	95	10	75	4	M10	12		16 bar	25	125	14	90	4	M16	19	
	32	115	12	90	4	M12	15			32	135	16	100	4	M16	19	
	40	120	12	95	4	M12	15			40	140	16	105	4	M16	19	
	50	130	14	105	4	M12	15			50	155	16	120	8	M16	19	
	65	155	14	130	4	M12	15			65	175	18	140	8	M16	19	
	80	180	14	145	4	M16	19			80	200	20	160	8	M20	23	
	100	200	16	165	8	M16	19			100	225	22	185	8	M20	23	
	125	235	16	200	8	M16	19			125	270	22	225	8	M22	25	
	150	265	18	230	8	M16	19			150	305	24	260	12	M22	25	
	200	320	20	280	8	M20	23			200	350	26	305	12	M22	25	
	250	385	22	345	12	M20	23			250	430	28	380	12	M24	27	
	300	430	22	390	12	M20	23			300	480	30	430	16	M24	27	
	350	480	24	435	12	M22	25			350	540	34	480	16	M30	33	
	400	540	24	495	16	M22	25			400	605	38	540	16	M30	33	
	450	605	24	555	16	M22	25			450	675	40	605	20	M30	33	
	500	655	24	605	20	M22	25			500	730	42	660	20	M30	33	
PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS					PN	DN	OUT.DIA.	THICK	DIM. FOR SCREWS				
10 bar	25	125	14	90	4	M16	19		30 bar	25	130	20	95	4	M16	19	
	32	135	16	100	4	M16	19			32	140	22	105	4	M16	19	
	40	140	16	105	4	M16	19			40	160	22	120	4	M20	23	
	50	155	16	120	4	M16	19			50	165	22	130	8	M16	19	
	65	175	18	140	4	M16	19			65	200	26	160	8	M20	23	
	80	185	18	150	8	M16	19			80	210	28	170	8	M20	23	
	100	210	18	175	8	M16	19			100	240	32	195	8	M22	25	
	125	250	20	210	8	M20	23			125	275	36	230	8	M22	25	
	150	280	22	240	8	M20	23			150	325	38	275	12	M24	27	
	200	330	22	290	12	M20	23			200	370	42	320	12	M24	27	
	250	400	24	355	12	M22	25			250	450	48	390	12	M30	33	
	300	445	24	400	16	M22	25			300	515	52	450	16	M30	33	
	350	490	26	445	16	M22	25			350	560	54	495	16	M30	33	
	400	560	28	510	16	M24	27			400	630	60	560	16	M36	39	
	450	620	30	565	20	M24	27										
	500	675	30	620	20	M24	27										

Substitute for:										PC	Q-Code	X	X	X	X	X
Modif	A	EAAD084180	04.10.2012													
		Number	Drawn Date		Number	Drawn Date		Number	Drawn Date		Number	Drawn Date				
		Product W-2S				Flange Dimensions										
Made	19.09.2007	N. Brand				Main Drw.	Page	Material ID								
Chkd	27.09.2007	M. Frei				Design Group	1 / 1	107.390.729.500								
Appd	27.09.2007	B. Haag				8020	Drawing ID	107.390.729							Rev	A

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Ra12,5 (✓) Rohrleitungs Spezifikationen gemäss Ko.Gr.8903
PIPING SPECIFICATIONS ACCORDING GROUP

A		C		D							
D1	D2	D3	D4	D5	D6	D7	B	G	α	β	
DN	DN	mm	mm	mm	mm	mm	mm				
40	65										
50	80	47	105	120	3	67	15	M8	20°	60°	
80	100	79	155	180	5	104	20	M12	20°	60°	
100	125	95	174	200	5	125	20	M12	22.5°	45°	
125	150	127	206	240	5	152	25	M16	22.5°	45°	

C D E

F

D

Free space for lic.									Q-Code XXXXXX	Main Drw.		
									Standard ISO; JIS			
Modif.	C	EAAD087857	13.12.2017	D	EAAD090045	15.11.2018	E	EAAD090428	14.06.2019	F	EAAD095585	27.11.2020
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
WIN GD Winterthur Gas & Diesel				Product W-2S				FLANGE DIMENSIONS Flanschabmessungen				
Units	mm	kg	NX		Basic Material		Net Weight 0,01					
Made	17.10.2015	rs0x04 R.W.Sola		Scale	1:1	Size	A3	Page	1/1	Material ID	PAAD147122	
Chkd	04.09.2014	ihe003 Herceg		Design Group	8020	Drawing ID	DAAD045822				Rev.	F
Appd	05.09.2014	bha009 Haag										

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

WinGD-12X92DF_Pipe-Connection-Plan

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2019-12-06	DRAWING SET	First web upload
2018-12-24	DAAD098188 DAAD045822	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated. Revised Flange Dimensions drawing has been updated.
2019-05-15	DAAD098188	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated.
2019-12-06	DAAD098188 DAAD045822	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated. Revised Flange Dimensions drawing has been updated.
2020-09-07	DAAD098188	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated.
2021-05-22	PAAD289006 PAAD147122	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated. Revised Flange Dimensions drawing has been updated.
2022-05-25	PAAD289006	Revised Pipe Connection Plan for Turbocharger type 3xMET83MB has been updated.

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