

Available executions

Execution No.	Material ID	Cylinder No.	Attribute 1: Alignment tool type	
			SCREWS	WEDGES
001	PAAD373621	6		X
002	PTAA054127	6	X	
003	PTAA052129	7		X
004	PTAA052984	7	X	

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015

NOTE

The above executions can be configured using the Engine Configurator. Detailed guidance for the executions is provided within the Marine Installation Manual (MIM). If a specific execution of interest is not shown in the above table, then it may still be under development or not available. For further information or in case of a project-specific request, WinGD must be contacted directly.

This publication is designed to provide accurate and authoritative information with regard to the subject-matter covered as it was available at the time of printing. However, the publication deals with complicated technical matters suited only for specialists in the area, and the design of the subject-products is subject to regular improvements, modifications and changes. Consequently, the publisher and copyright owner of this publication cannot accept any responsibility or liability for any eventual errors or omissions in this document or for discrepancies arising from the features of any actual item in the respective product being different from those shown in this publication. The publisher and copyright owner shall under no circumstances be held liable for any financial consequential damages or other loss, or any other damage or injury, suffered by any party making use of this publication or the information contained herein.

Prod.	X62-S2.0 X62DF-A-S1.0	X62DF-M-S1.0 X62DF-S1.0	X62DF-S2.0						
Change History									
	-	sna102			new Design				
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E	C



TOOL ENGINE ALIGNMENT
MIDS master drawing

separate BOM available

Dimension

Scale	-		NX	Units [mm] [kg]	Basic Material	Net Weight	0.001		
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				Qty per	A4	Item ID	PTAA026094	Drawing Page/s	1/1

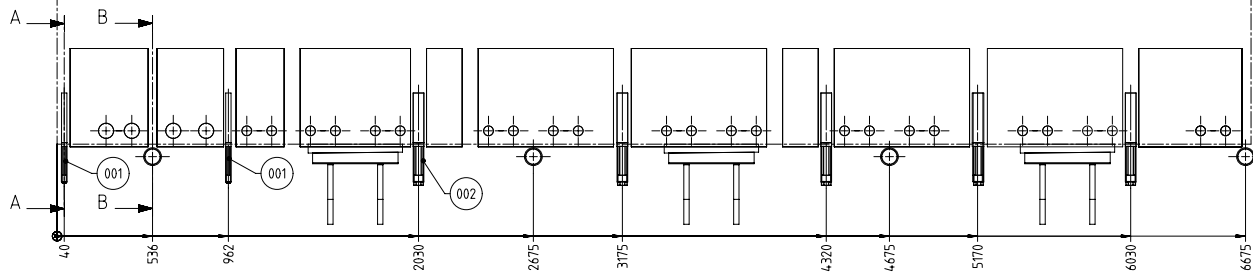
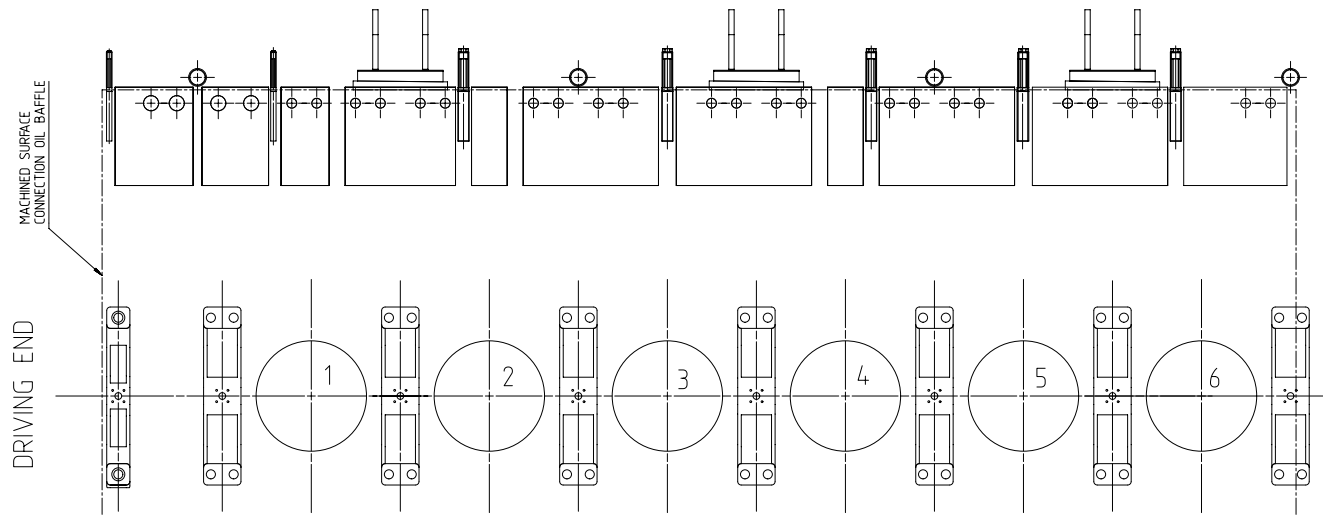
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	4	107.424.346.200	WEDGE	NARROW TYPE		W-FU-235-JR	3.8
2	10	107.245.895.200	WEDGE				8.51
3	8	PAAD318478	HYDRAULIC JACK				
4	8	PAAD318480	SUPPORT BLOCK				



Proc.	6 X62-S2.0 6 X62DF-S1.0		6 X62DF-S2.0					
Change History								
	A	ssh102	mhu019	19.01.2022	CNAA001119	Drawing Updated	4	3
	-	dkl021	mhu019	26.02.2021		-	-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E C

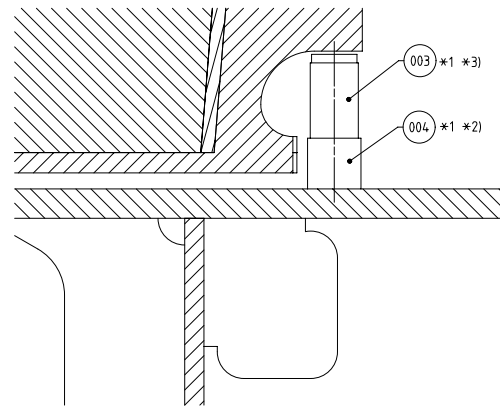
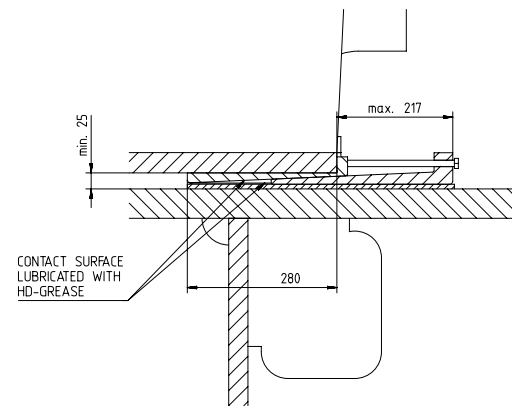
	<h1>TOOL ENGINE ALIGNMENT</h1> <h2>Alignment with Wedges</h2>
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Bill Of Material		Dimension							
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the document the recipient recognizes and honours these rights. Neither the whole nor any part of this document may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.	Units	[m] [kg]	Basic Material			Net Weight	88.5		
	Main Design	Yes	Design Group		9710-01	Q-Code	XXXXX	Standard	WDS
	Qty per	Engine	A4	Item ID	PAAD373621		BOM Page/s	01/01	



SECTION A-A $\odot 90^\circ$
SCALE 1:5

SECTION B-B $\odot 90^\circ$
SCALE 1:5



CAUTION

Risk:
Tool and/or bedplate damage

Countermeasure:
Avoid overloading of bedplate areas by observing the appropriate engine alignment/assembly procedure as follows:

- Insert wedges and/or shims in all indicated positions.
- Lift the engine into the engine room and place it on levelled wedges and/or shims (wedges or shims must be inserted as deep as possible below the bedplate to ensure that the support point is as close as possible at the engine monoblock column).
- Apply hydraulic jacks to the protruding bedplate ribs nearby the relevant wedge and/or shim as indicated in the drawing.
- Start with the engine alignment by means of wedges and/or shims. Before adjusting the height of wedges and/or shims lift the engine by the hydraulic jacks. Any height adjustment must be performed in small steps - no more than 1 mm per step. Changes in height larger than the maximum allowance (1mm) require a gradual process where all wedges and/or shims are successively adjusted in stages, to ensure the best possible load distribution.

Remarks


- *1) To be provided by the shipyard.
- *2) Height depending on the requirement (check thickness in correlation with maximum permissible extension of the hydraulic jack).
- *3) Hydraulic jack proposal
Type: Enerpac RCS-1002
Load at 700 bar: 880 kN

Title		6X62-82.0 6X6201-81.0							
Change History									
A	ssh02	mhu019	19.01.2022	0NA00119	Drawing Updated	4	3		
-	dk021	mhu019	26.02.2021	-	-	-	-		
Rev	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code		
WINGD Wärmer Gas & Diesel		TOOL ENGINE ALIGNMENT Alignment with Wedges							
separate BOM available		Dimension							
Scale	1:15	Units	[mm] [kg]	Basic Material		Net Weight	88.50		
SURFACE PROTECTION SEE GROUP 0344		Copyright Wärmer Gas & Diesel Ltd. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Wärmer Gas & Diesel Ltd.		Main Design	Yes	Design Group	9710-01	Q-Code	XXXXX
TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Qty	Engine	Item ID	PAAD373621	Drawing	1/1

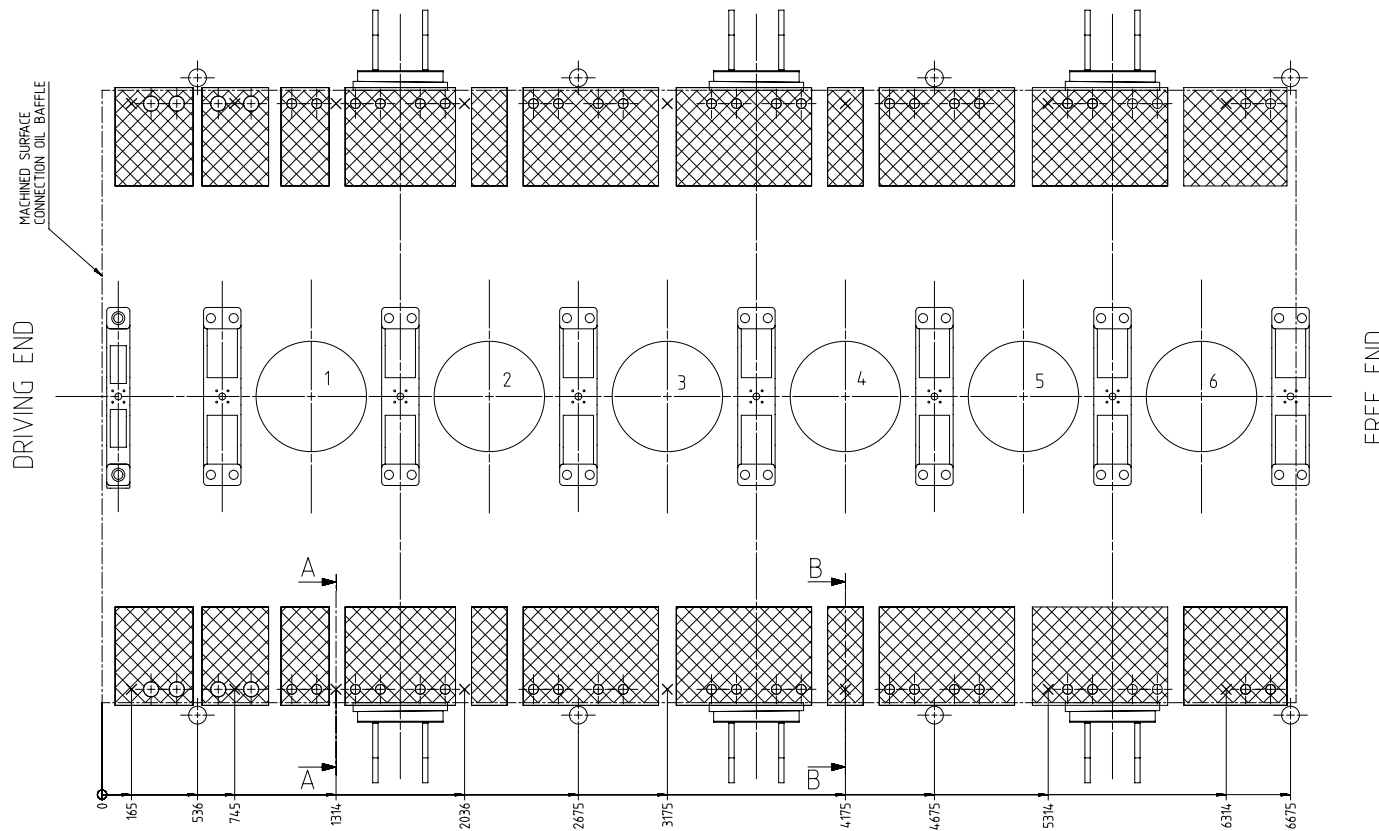
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	16	PAAD103276	JACKING SCREW			W-FU-235-N-T	3.75
002	8	PAAD318478	HYDRAULIC JACK				
003	8	PAAD318480	SUPPORT BLOCK				

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Prod.	6 X62-S2.0 6 X62DF-A-S1.0		6 X62DF-M-S1.0 6 X62DF-S1.0		6 X62DF-S2.0		
Change History							
	A	npa101	mhu019	28.08.2023	CNAA004291	New MainDrawing updated	4 3
	-	npa101	mhu019	20.01.2023	CNAA003121	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C

	<h1>TOOL ENGINE ALIGNMENT</h1> <h2>Alignment with Jacking Screws</h2>
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Bill Of Material		Dimension					
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	Main Design	Yes	Design Group	9710-01	Q-Code	X X M	Standard WDS
	Qty per	Engine	A4	Item ID	PTAA054127		BOM Page/s



CAUTION

Risk:
Tool and/or bedplate damage

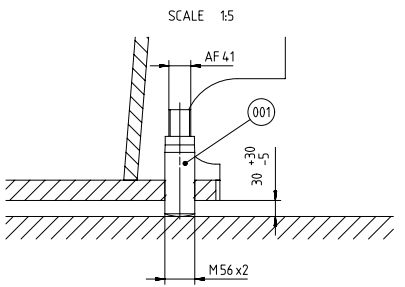
Countermeasure:
Avoid overloading of bedplate areas by observing the appropriate engine alignment/assembly procedure as follows:

- Insert wedges and/or shims in all indicated positions.
- Lift the engine into the engine room and place it on levelled wedges and/or shims (wedges or shims must be inserted as deep as possible below the bedplate to ensure that the support point is as close as possible at the engine monoblock column).
- Apply hydraulic jacks to the protruding bedplate ribs nearby the relevant wedge and/or shim as indicated in the drawing.
- Start with the engine alignment by means of wedges and/or shims. Before adjusting the height of wedges and/or shims lift the engine by the hydraulic jacks. Any height adjustment must be performed in small steps - no more than 1 mm per step. Changes in height larger than the maximum allowance (1mm) require a gradual process where all wedges and/or shims are successively adjusted in stages, to ensure the best possible load distribution.

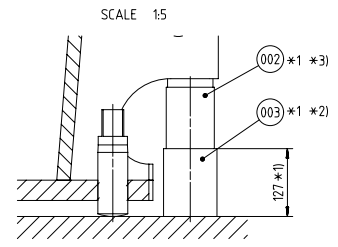
Remarks

- *1) To be provided by the shipyard.
- *2) Height depending on the requirement (check thickness in correlation with maximum permissible extension of the hydraulic jack).
- *3) Hydraulic jack proposal
Type: Enerpac RCS-1002
Load at 700 bar: 880 kN

SECTION A-A $\odot 90^\circ \text{A}$

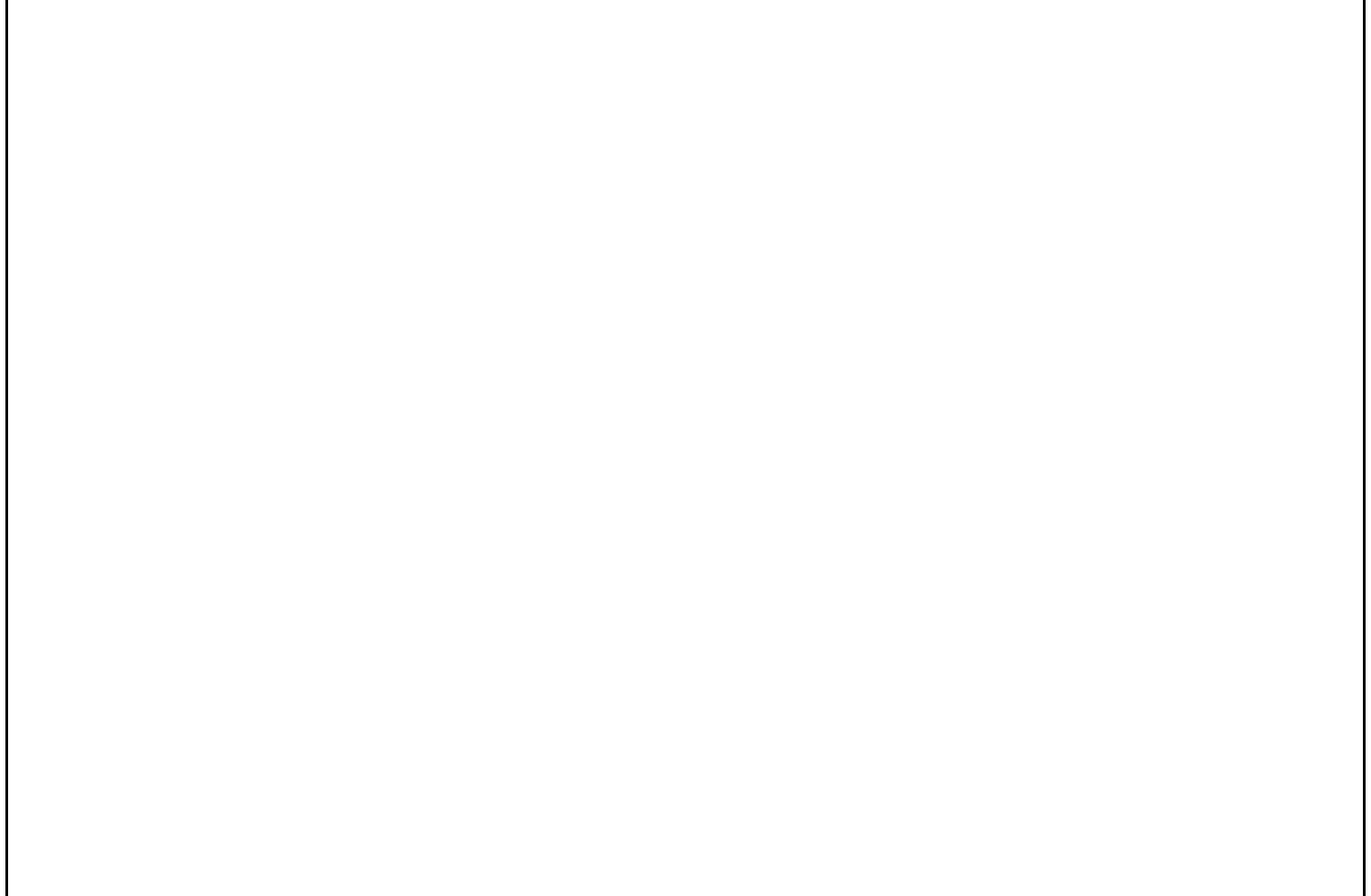


SECTION B-B $\odot 90^\circ$



Part	6X62DF-S2.0 6X62DF-A+S1.0	6X62DF-M+S1.0 6X62DF-S1.0	6X62DF-S2.0						
Change History									
A	npa101	mfu019	28.08.2023	CNA004291	New MainDrawing updated	4	3		
-	npa101	mhu019	20.01.2023	CNA003121	Main Design/Drawing Introduced	-	-		
Rev	Creator	Approver	Approval Date	Change ID	Change Synopsis	Appr. Code	Activity Code	E	C
WINGD Winterthur Gas & Diesel					TOOL ENGINE ALIGNMENT Alignment with Jacking Screws				
separate BOM available					Dimension				
Scale	1:15	NX		Units [mm] [kg]	Basic Material	Net Weight		60.00	
SURFACE PROTECTION SEE GROUP 0344					Copyright Winterthur Gas & Diesel Ltd. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Winterthur Gas & Diesel Ltd.				
TOLERANCING PRINCIPLE ISO8015					Main Design Yes Design Group 9710-01 Q-Code X X M Standard WDS				
GENERAL TOLERANCES ACCORDING TO ISO2768-mK					CNY per Engine A1 Item ID PTA054127 Drawing Page# 1/1				

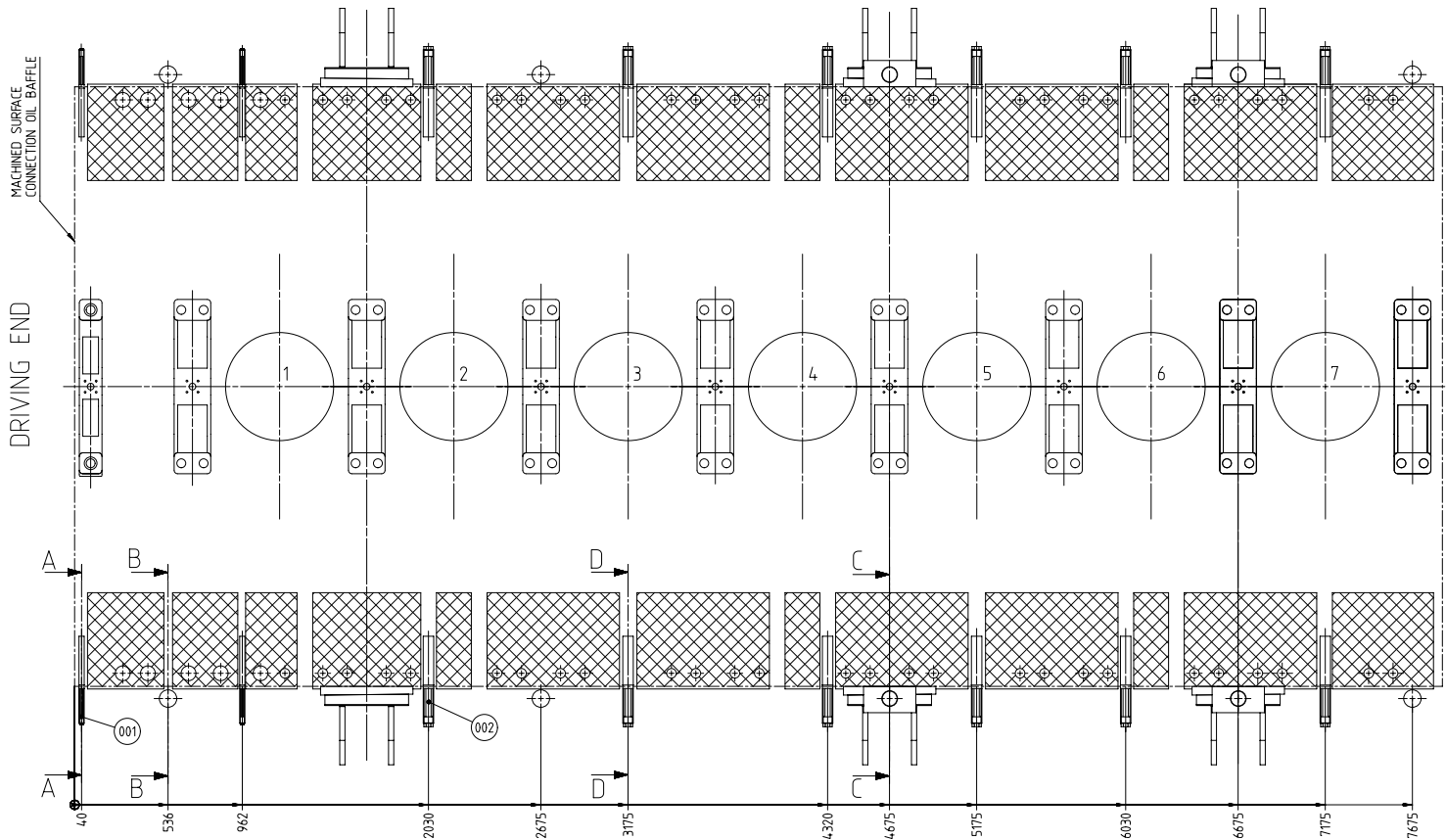
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	4	107.424.346.200	WEDGE	NARROW TYPE		W-FU-235-JR	3.8
002	12	107.245.895.200	WEDGE				8.51
003	10	PAAD318478	HYDRAULIC JACK				
004	6	PAAD318480	SUPPORT BLOCK				
005	4	PAAD318479	SUPPORT PLATE				



Prod.	7 X62-S2.0 7 X62DF-A-S1.0		7 X62DF-S1.0 7 X62DF-S2.0						
Change History									
	-	npa101	mhu019	20.01.2023	CNAA003121	Main Design/Drawing Introduced	-	-	
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E

	<h1>TOOL ENGINE ALIGNMENT</h1> <h2>Alignment with Wedges</h2>
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Bill Of Material		Dimension						
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	Main Design	Yes	Design Group	9710-01	Q-Code XXXXX	Standard	WDS	
	Qty per	Engine	A4	Item ID	PTAA052129		BOM Page/s	01/01



CAUTION

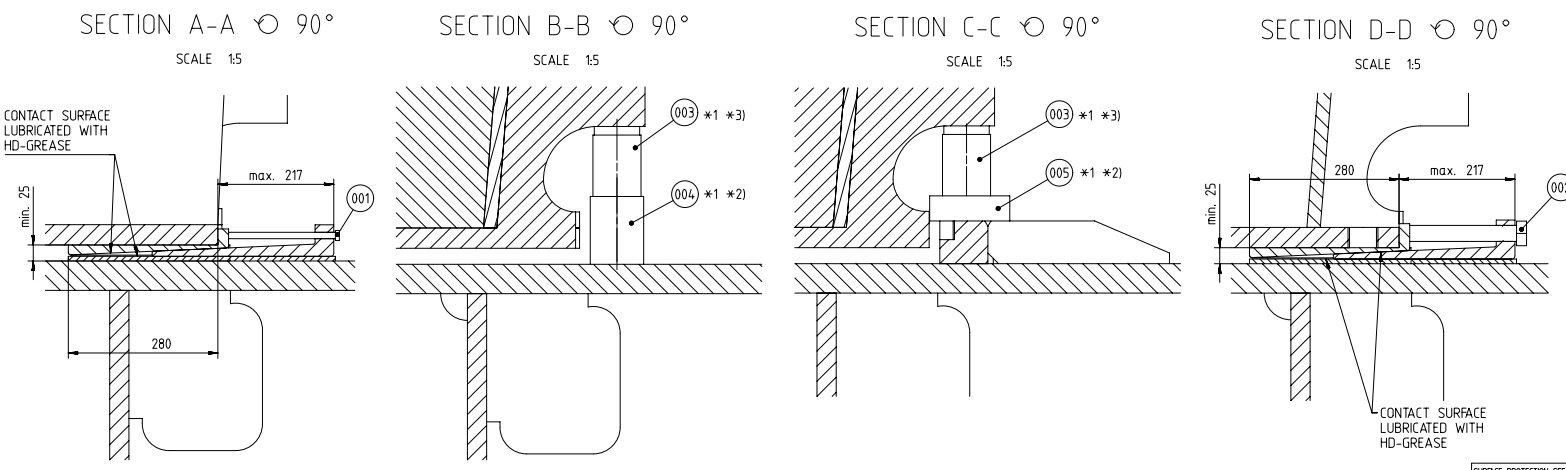
Risk:
Tool and/or bedplate damage

Countermeasure:
Avoid overloading of bedplate areas by observing the appropriate engine alignment/assembly procedure as follows:

- Insert wedges and/or shims in all indicated positions.
- Lift the engine into the engine room and place it on levelled wedges and/or shims (wedges or shims must be inserted as deep as possible below the bedplate to ensure that the support point is as close as possible at the engine monoblock column).
- Apply hydraulic jacks to the protruding bedplate ribs nearby the relevant wedge and/or shim as indicated in the drawing.
- Start with the engine alignment by means of wedges and/or shims. Before adjusting the height of wedges and/or shims lift the engine by the hydraulic jacks. Any height adjustment must be performed in small steps - no more than 1 mm per step. Changes in height larger than the maximum allowance (1mm) require a gradual process where all wedges and/or shims are successively adjusted in stages, to ensure the best possible load distribution.

Remarks

- *1) To be provided by the shipyard.
- *2) Height depending on the requirement (check thickness in correlation with maximum permissible extension of the hydraulic jack).
- *3) Hydraulic jack proposal
Type: Enerpac RCS-1002
Load at 700 bar: 880 kN




7X62-82.0 7X62DF-A-81.0		7X62DF-B1.0 7X62DF-82.0	
Change History			
Rev	Creator	Approved	Change Description
1	npa101	20.01.2023	CHAW003121 Main Design/Drawing Introduced
separate BOM available		Dimension	
Scale 1:15	NX	Units [mm] [kg]	Basic Material
SURFACE PROTECTION SEE GROUP 0344		Main Design Yes	
TOLERANCING PRINCIPLE ISO8015		Design Group 9710-01	
GENERAL TOLERANCES ACCORDING TO ISO2768-MK		Part per Engine A1	
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Standard WDS		Drawing Page# 1/1	
PTAA052129		P-TAA052129	

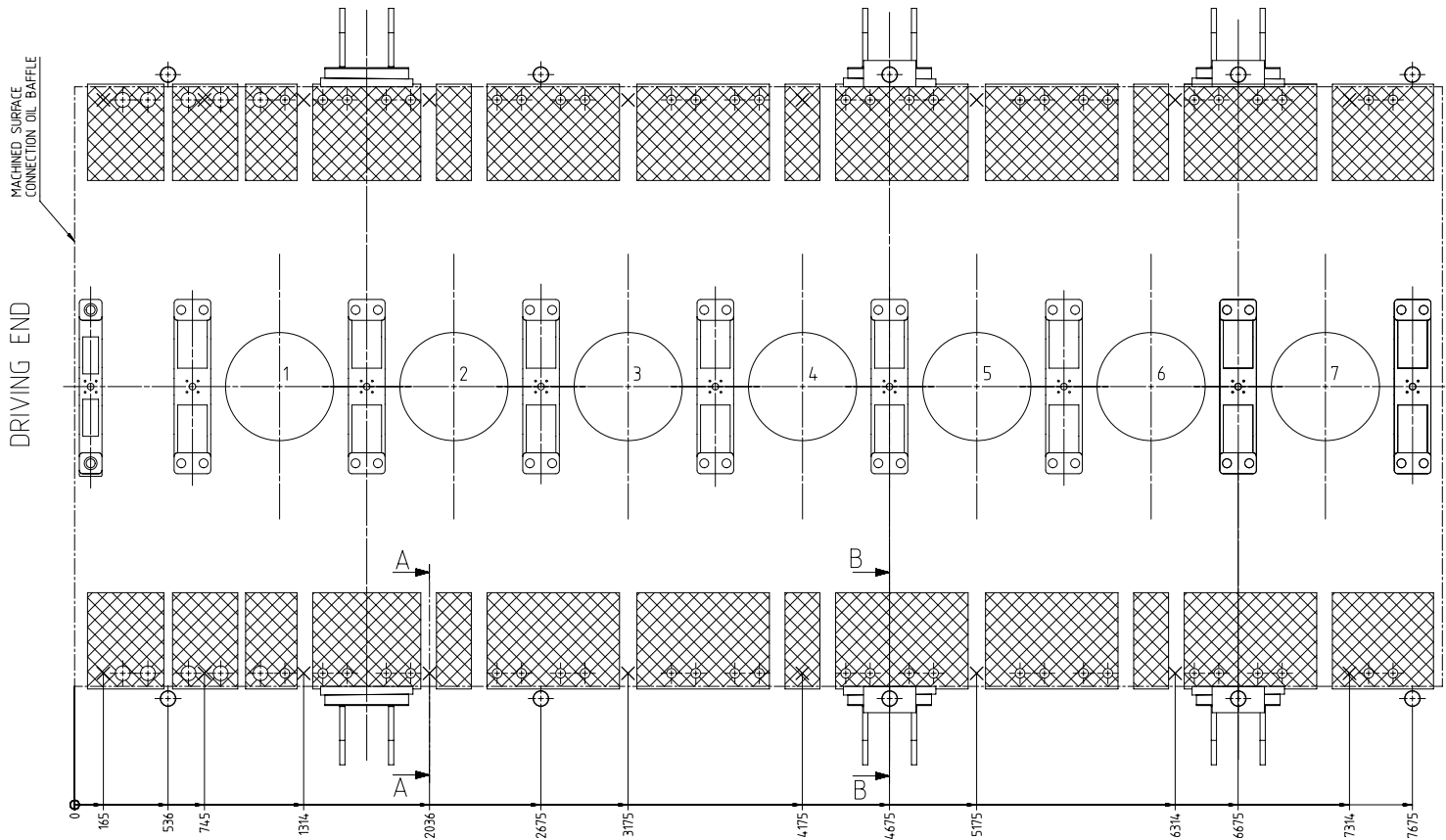
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	18	PAAD103276	JACKING SCREW			W-FU-235-N-T	3.75
002	10	PAAD318478	HYDRAULIC JACK				
003	6	PAAD318480	SUPPORT BLOCK				
004	4	PAAD318479	SUPPORT PLATE				

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Prod.	7 X62-S2.0 7 X62DF-A-S1.0		7 X62DF-S1.0 7 X62DF-S2.0				
Change History							
	A	npa101	mhu019	28.08.2023	CNAA004291	New MainDrawing updated	4 3
	-	npa101	mhu019	20.01.2023	CNAA003121	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C

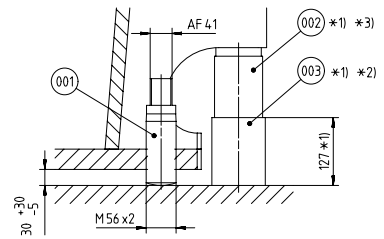
	<h1>TOOL ENGINE ALIGNMENT</h1> <h2>Alignment with: Jacking Screws</h2>
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Bill Of Material		Dimension					
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	Main Design	Yes	Design Group	9710-01	Q-Code	X X M	Standard WDS
	Qty per	Engine	A4	Item ID	PTAA052984		BOM Page/s



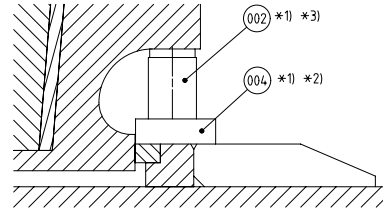
SECTION A-Aⓐ

SCALE 1:5



SECTION B-B

SCALE 1:5



CAUTION

Risk:
Tool and/or bedplate damage

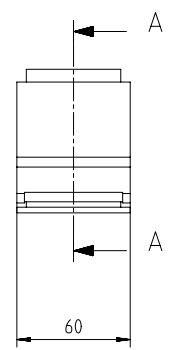
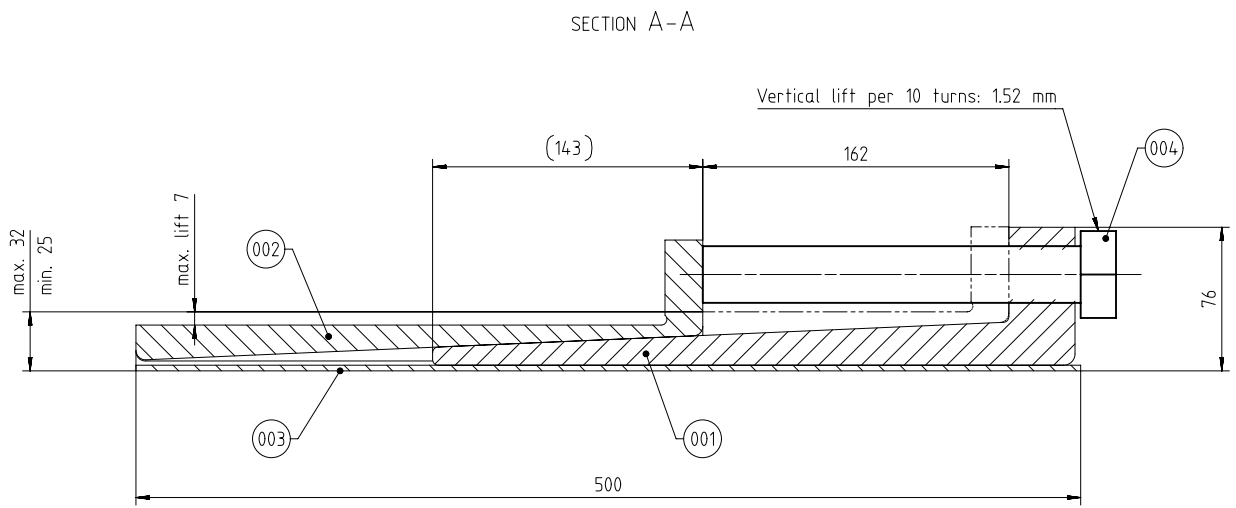
Countermeasure:
Avoid overloading of bedplate areas by observing the appropriate engine alignment/assembly procedure as follows:

- Insert wedges and/or shims in all indicated positions.
- Lift the engine into the engine room and place it on levelled wedges and/or shims (wedges or shims must be inserted as deep as possible below the bedplate to ensure that the support point is as close as possible at the engine monoblock column).
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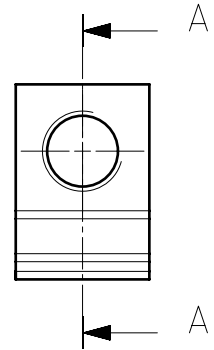
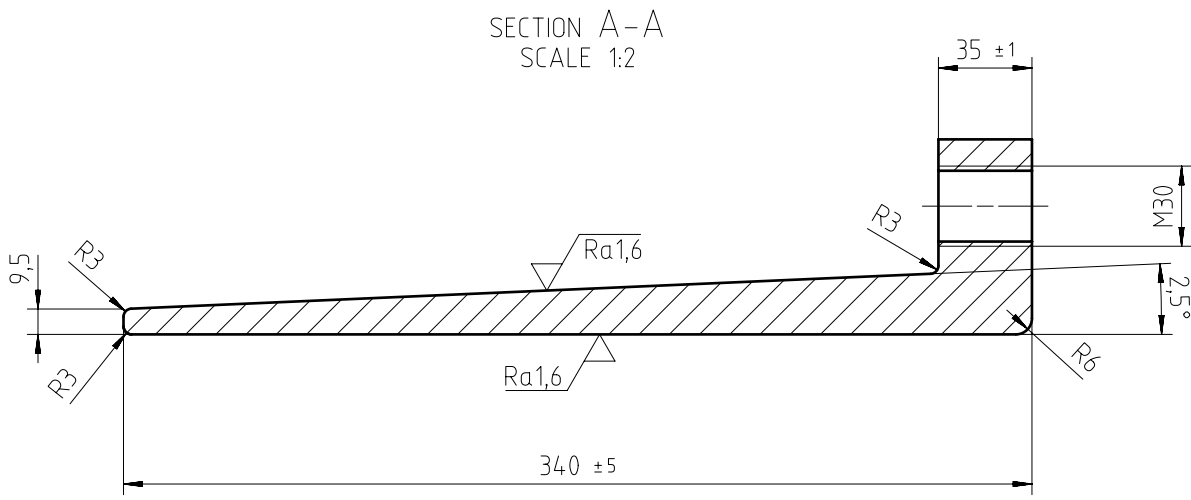
Remarks

- *1) To be provided by the shipyard.
- *2) Height depending on the requirement (check thickness in correlation with maximum permissible extension of the hydraulic jack).
- *3) Hydraulic jack proposal
Type: Enerpac RCS-1002
Load at 700 bar: 880 kN

Proj.	7X62-82.0 7X62DF-a-81.0	7X62DF-B1.0 7X62DF-82.0					
Change History							
A	npa101	mhu019	28.08.2023	CNAAG04291	New MainDrawing updated	4	3
-	npa101	mhu019	20.01.2023	CNAAG03121	Main Design/Drawing Introduced	-	-
Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Appr. Code	Activity Code
WINGD Winterthur Gas & Diesel		TOOL ENGINE ALIGNMENT Alignment with: Jacking Screws					
separate BOM available		Dimension		Units [mm] [kg]		Basic Material	
Scale	1:15	NX				Net Weight 67.50	
SURFACE PROTECTION SEE GROUP 0344		Copyright Winterthur Gas & Diesel Ltd. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from Winterthur Gas & Diesel Ltd.		Main Design		Yes	
TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-MK		Design Group		9710-01	
				CNY per		Engine A1	
				Item ID		PTAA052984	
				Drawing Page		1/1	



1	004	015.151.048.701	HEXAGON HEAD SCREW M30x200	ISO 4017	88	1,21						
1	003	107.245.898.001	PLATE	107.245.898	W-FU-235-JR	1,0						
1	002	107.246.894.001	KEY	107.246.894	W-FU-235-JR	3,0						
1	001	107.246.895.001	KEY	107.246.895	W-FU-235-JR	3,3						
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET					
Free space for ill.						Q-Code XXXXXX Standard ISO; JIS	Main Drw.					
Modif.	B	EAAD014493	05.02.2002	C	7-73552	19.10.2009	D	EAAD084635	27.06.2013	E	EAAD091472	11.11.2019
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date		
			Product W-2S		WEDGE Schraeger Keil							
Units	mm	kg	NX	Basic Material		Net Weight 8,51						
SURFACE PROTECTION SEE GROUP 0344			Made	10.07.1996	D.Scheffler		Scale	1:2	Size	A2	Page	1/1
TOLERANCING PRINCIPLE ISO8015			Chkd			Design Group				Material ID		107.245.895.200
GENERAL TOLERANCES ACCORDING TO ISO2768-mK			Appd	30.08.1996	WCH001 Service User		9710-01		Drawing ID		107.245.895	
									Rev.		E	



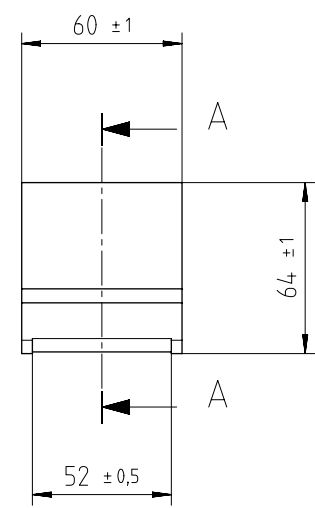
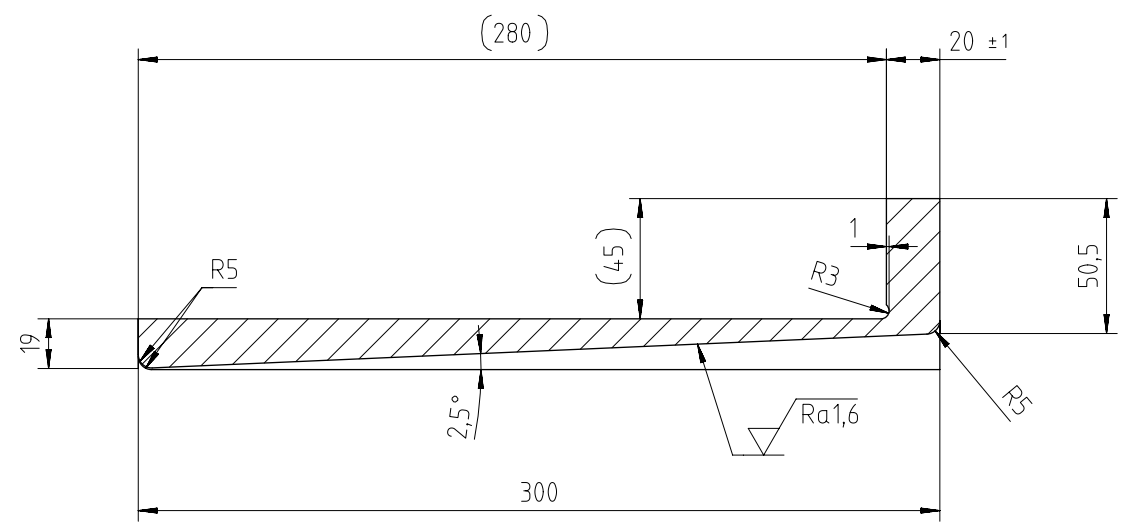
Ra50 (
 Ra1,6
)

Free space for lic.								Q-Code XXXXXX	Main Drw.
								Standard ISO; JIS	
Modif.	(A) 7-73.552	19.10.2009	(B) EAAD091472	04.11.2019	○		○		
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
Winterthur Gas & Diesel			Product W-2S		KEY				
					Keil				
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 3,3	
SURFACE PROTECTION SEE GROUP 0344		Made	16.05.2001 D.ADMINISTRATOR		Scale	1:2		Material ID 107.246.895.001	
TOLERANCING PRINCIPLE ISO8015		Chkd			Design Group	A3 1/1			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	27.12.2001 WDMS2		9710-01	Drawing ID 107.246.895		Rev. B	

1 2 3 4 5 6 7 8

A
B
C
D
E
F

SECTION A-A
SCALE 1:2



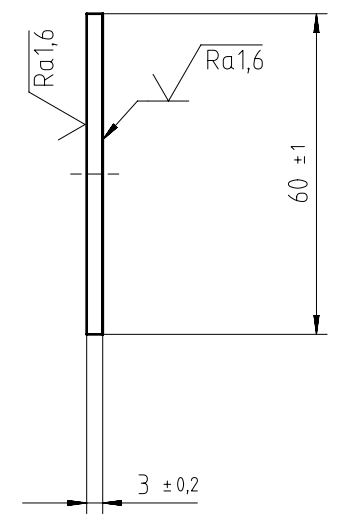
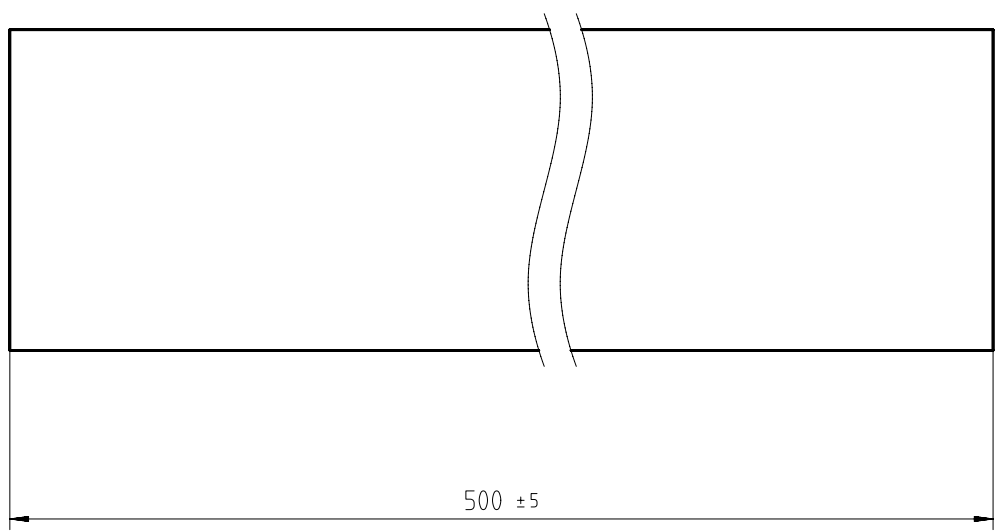
$\sqrt{Ra50}$ ($\sqrt{Ra1,6}$)

Free space for lic.								Q-Code XXXXXX	Main Drw.					
								Standard ISO; JIS						
Modif.	(A) 7-73.552	19.10.2009	(B) EAAD091472	05.11.2019										
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date						
			Product W-2S		KEY Keil									
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 3						
SURFACE PROTECTION SEE GROUP 0344			Made	16.05.2001	D.ADMINISTRATOR		Scale	1:2	Size	A3	Page	1/1	Material ID	107.246.894.001
TOLERANCING PRINCIPLE ISO8015			Chkd				Design Group	9710-01		Drawing ID	107.246.894		Rev.	B
GENERAL TOLERANCES ACCORDING TO ISO2768-mK			Appd	27.12.2001	WDMS2									

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1 2 3 4 5 6 7 8

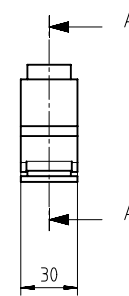
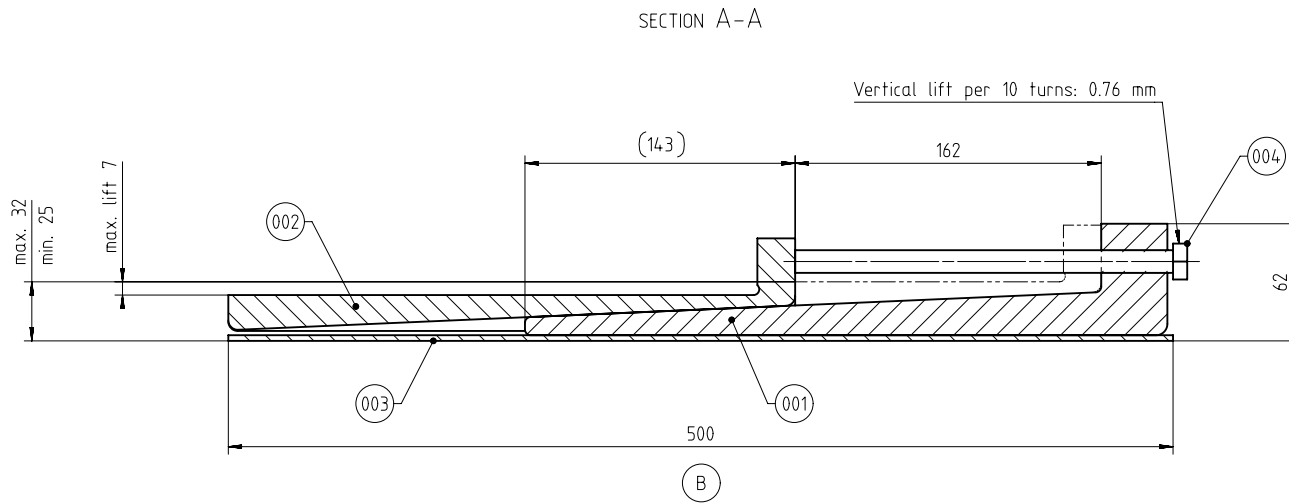
A
B
C
D
E
F



$\sqrt{Ra50}$ ($\sqrt{Ra1,6}$)

Free space for lic.								Q-Code XXXXXX	Main Drw.					
								Standard ISO; JIS						
Modif.	A	EAAD014305	11.09.1996	B	EAAD091472	05.11.2019								
		Number	Drawn date		Number	Drawn date	Number	Drawn date	Number	Drawn date				
		Product W-2S		PLATE										
				Blech										
Units	mm kg	NX			Basic Material	W-FU-235-JR			Net Weight 1					
SURFACE PROTECTION SEE GROUP 0344		Made	11.07.1996 D. Schaeffler		Scale	1:1		Size	A3	Page	1/1	Material ID	107.245.898.001	
TOLERANCING PRINCIPLE ISO8015		Chkd			Design Group	9710-01		Drawing ID	107.245.898			Rev.	B	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	22.07.1996 MLU011 Lüthi											

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QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
1	004	015.151.040.701	HEXAGON HEAD SCREW M12x200		ISO 4017	88	0,156
1	003	FAAD34.3262	PLATE		DAAD1234.06	W-FU-235-JR	0,4
1	002	107.424.348.001	KEY		107.424.348	W-FU-235-JR	1,5
1	001	107.424.347.001	KEY		107.424.347	W-FU-235-JR	1,7

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD084635	27.06.2013	B	EAAD091472	06.11.2019			

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Q-Code
XXXXXX
Standard
ISO; JIS

Main Drw.

Product
W-2S

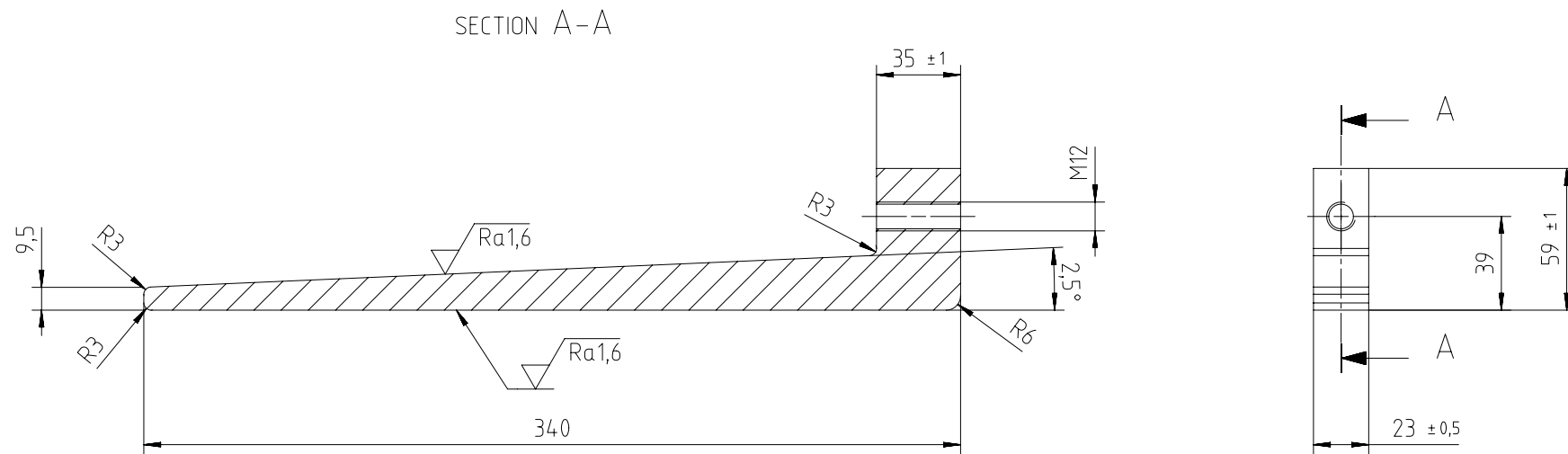
WEDGE
Schraeger Keil

Units mm kg NX

Basic Material W-FU-235-JR

Net Weight 3,8

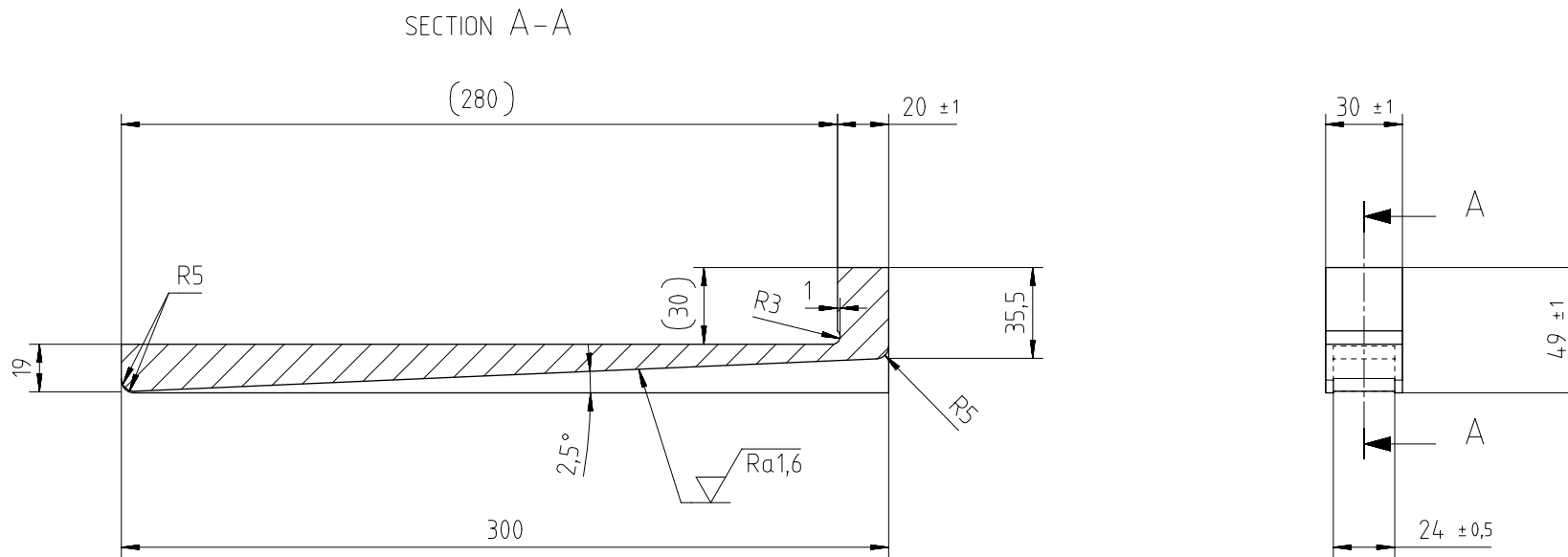
SURFACE PROTECTION SEE GROUP 0344	Made	05.08.2009	jba029	J.BAUMANN	Scale	1:2	Size	A2	Page	1/1	Material ID	107.424.346.200
TOLERANCING PRINCIPLE ISO8015	Chkd				Design Group		Drawing ID	9710-01				
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	28.09.2009	JBA029	Baumann								Rev. B



$\sqrt{\text{Ra}50}$ ($\sqrt{\text{Ra}1,6}$)

Free space for lic.	Q-Code XXXXXX								Main Drw.					
	Standard ISO; JIS													
Modif.	A	EAAD091472	05.11.2019											
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number					
				Product W-2S		KEY Keil								
Units	mm kg	NX		Basic Material W-FU-235-JR				Net Weight 1,7						
SURFACE PROTECTION SEE GROUP 0344				Made	05.08.2009 J.BAUMANN		Scale	1:2	Size	A3	Page	1/1	Material ID	107.424.347.001
TOLERANCING PRINCIPLE ISO8015				Chkd			Design Group	9710-01		Drawing ID	107.424.347		Rev.	A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK				Appd	28.09.2009 JBA029 Baumann									

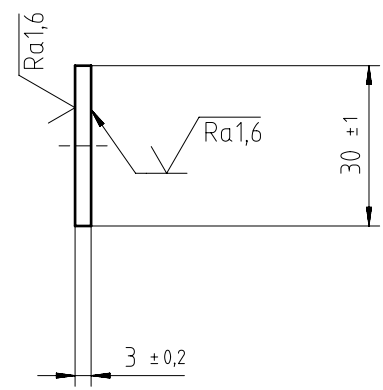
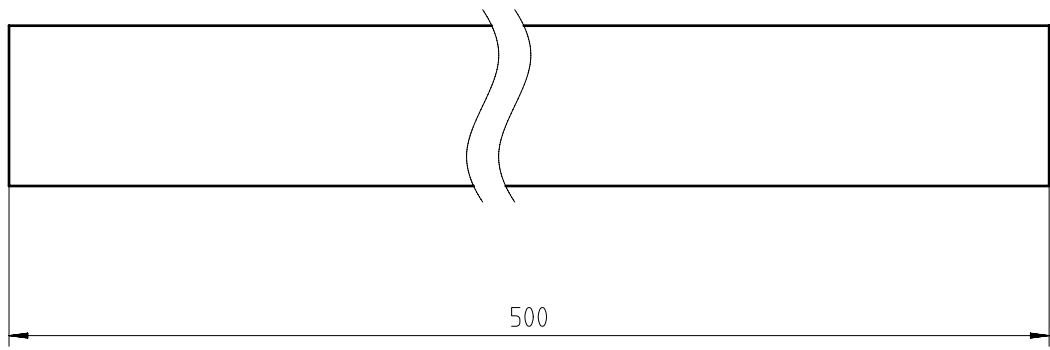
UID - DIMENSIONAL DRAWING - Confidential



$\sqrt{Ra50}$ ($\sqrt{Ra1,6}$)

Free space for lic.									Q-Code XXXXXX	Main Drw.
									Standard ISO; JIS	
Modif.	A	EAAD091472	06.11.2019	○	○	○	○	○	○	○
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
				Product W-2S		KEY Keil				
Units	mm kg	NX			Basic Material		W-FU-235-JR		Net Weight 1,5	
SURFACE PROTECTION SEE GROUP 0344		Made	05.08.2009 J.BAUMANN		Scale 1:2		Size	A3	Page	1/1
TOLERANCING PRINCIPLE ISO8015		Chkd			Design Group		Material ID		107.424.348.001	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	28.09.2009 JBA029 Baumann		9710-01		Drawing ID		107.424.348	
								Rev.		A

UID - DIMENSIONAL DRAWING - Confidential



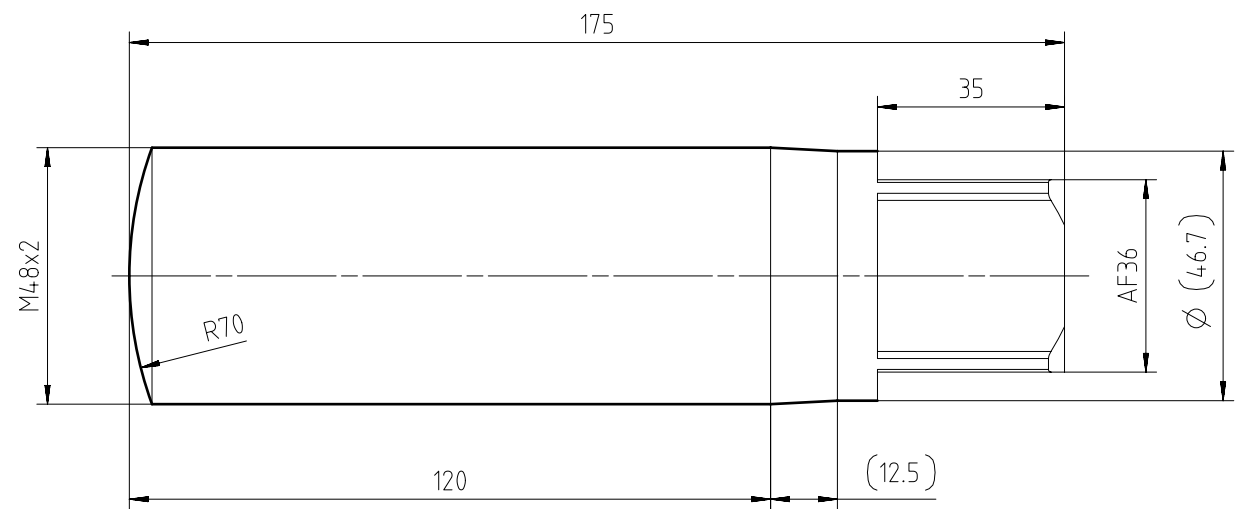
$\sqrt{Ra50}$ ($\sqrt{Ra1,6}$)

Free space for lic.								Q-Code XXXXXX	Main Drw.
								Standard ISO; JIS	
Modif.	○		○		○		○		
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
		Product W-2S		PLATE Blech					
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 0,4	
SURFACE PROTECTION SEE GROUP 0344		Made	06.11.2019 dki021 DH.Kim		Scale	1:1		Size A3	
TOLERANCING PRINCIPLE ISO8015		Chkd	26.11.2019 jpi101 Pickup		Design Group	1/1			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	02.12.2019 mhu019 Hug		9710-01	Material ID	PAAD343262		
					Drawing ID	DAAD123406		Rev.	-

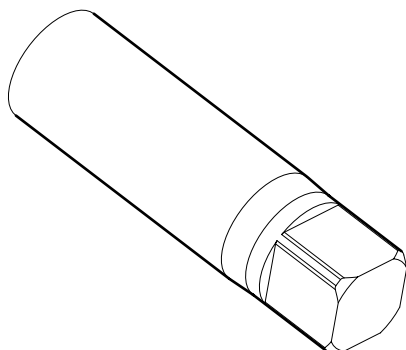
UID - DIMENSIONAL DRAWING - Confidential

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ROLLED THREAD



M 1:2



Free space for lic.								Q-Code XXXXXX	Main Drw.						
								Standard ISO; JIS							
Modif.	A	EAAD087035	22.11.2016												
		Number	Drawn date		Number	Drawn date		Number	Drawn date						
 Winterthur Gas & Diesel		Product W-2S		JACKING SCREW Abdrueckschraube											
Units	mm kg	NX			Basic Material	W-FU-235-N-T			Net Weight 2,3						
SURFACE PROTECTION SEE GROUP 0344		Made	04.06.2010	jba029	Baumann	Scale	1:1		Size	A3	Page	1/1	Material ID	PAAD005430	
TOLERANCING PRINCIPLE ISO8015		Chkd	15.06.2010		wwr001	Wroblewski		Design Group	9710-01		Drawing ID	DAAD006054		Rev.	A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	17.06.2010		dst009		Strödecke								

LD - INSTALLATION DRAWING - Internal

MIDS – Tool Engine Alignment (DG97010-01)

WinGD X62-S2.0+X62DF-S1.0+X62DF-S2.0+X-X62DF-M-S1.0+ X62DF-A-S1.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-03-01	DRAWING SET	First web upload
2022-03-02	PAAD373621	System drg. – new execution
2023-01-20	PTAA054127-- PTAA052984-- PTAA052129--	New main drgs, 6&7 cylinder
2023-11-08	PTAA052984 PTAA054127	New revision

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