

1

2

3

4

Available executions

Execution No.	Material ID	Cylinder No.
001	PTAA056757	5
002	PAAD381194	6
003	PTAA092786	7

(A)

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.	X52-S2.0 X52DF-A-S1.0		X52DF-M-S1.0 X52DF-S1.0		X52DF-S2.0					
Change History	A	npa101			Master Drawing Updated					
	-	sna102	mhu019	20.04.2023	CNAA003507	New Master Design		- -		
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E C		
	WIN GD Winterthur Gas & Diesel		ENGINE SEATING/FOUNDATION MIDS master drawing							
separate BOM available			Dimension							
Scale	-		NX	Units [mm] [kg]	Basic Material		Net Weight	0.001		
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing 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.				Main Design	Design Group	9710	Q-Code	X X M	Standard	WDS
				Qty per	A4	Item ID	PTAA025638		Drawing Page/s	1/1

1

2

3

4

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	PAAD381145	RIB			W-FU-355-J0	26
002	1	107.398.394.500	EPOXY RESIN				0.001
003	48	107.345.876.002	ROUND NUT	M30		W-FA-42CrMo-QT	0.37
004	6	PAAD380992	SLEEVE			W-FA-34CrMo-QT	6.8
005	6	PAAD381136	BUSH			W-FU-355-J0	2.6
006	48	PAAD381118	ELASTIC BOLT			W-FA-42CrMo-QT	2.1
007	6	PAAD381113	CONICAL SOCKET			W-FA-34CrMo-QT	6
008	42	PAAD381128	CONICAL SOCKET			W-FA-34CrMo-QT	1.3
009	42	PAAD381130	BUSH			W-FU-355-J0	4.1
010	48	PAAD379030	SPHERICAL ROUND NUT			W-FA-42CrMo-QT	0.376
011	1	107.367.119.001	SEALING PIECE				0.001
012	6	PTAA086389	JOINT DISC				0
013	42	PAAD024777	PLUG			W-FU-235-JR	0.001
014	2	PAAD214749	ENGINE SIDE STOPPER				20.3
015	2	PAAD214952	ENGINE SIDE STOPPER				24
016	4	107.325.275.001	WEDGE	45x25x450		W-FU-235-JR	3.8
017	1	107.401.839	FITTING INSTRUCTIONS				

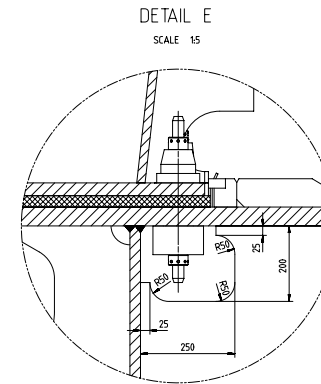
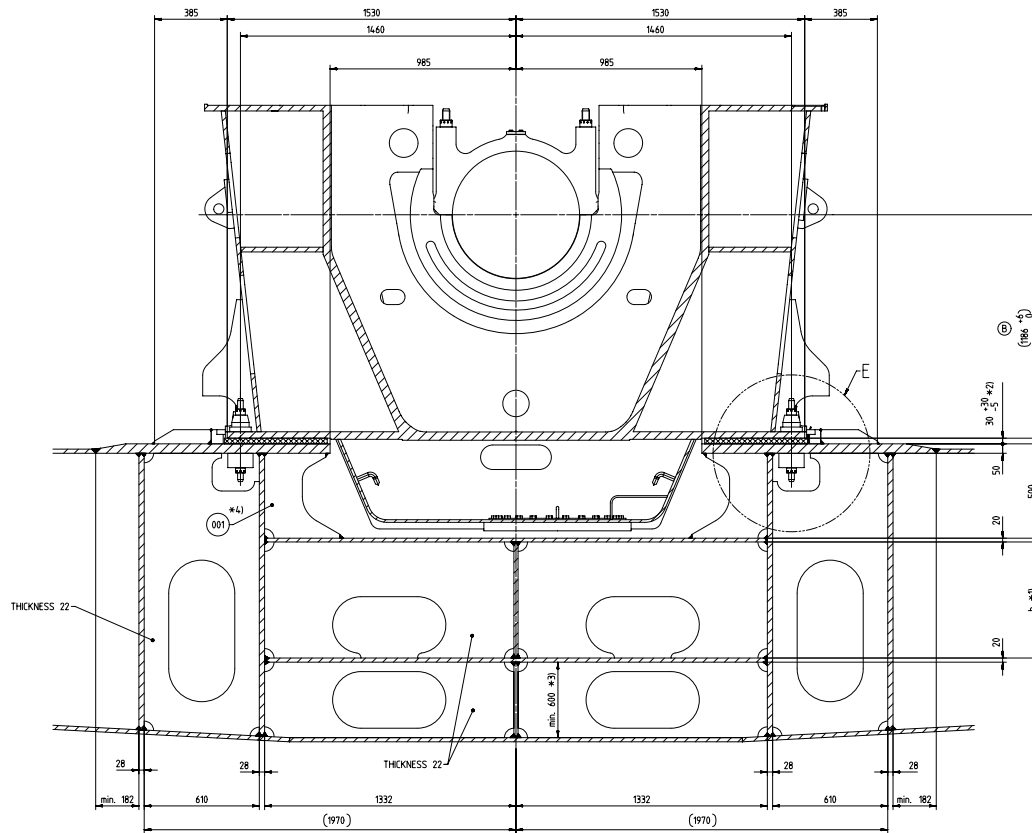
Prod.	5 X52-S2.0 5 X52DF-S1.0	5 X52DF-S2.0	
-------	----------------------------	--------------	--

Change History	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
	B	npa101	mhu019	21.08.2024	CNAA006231	Drawing updated			4	3
	A	ara101	mhu019	22.02.2024	CNAA005102	Drawing updated			4	3
	-	npa101	mhu019	03.04.2023	CNAA003284	New MainDesign			-	-

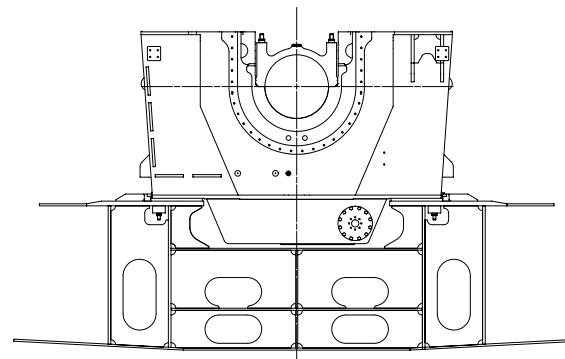
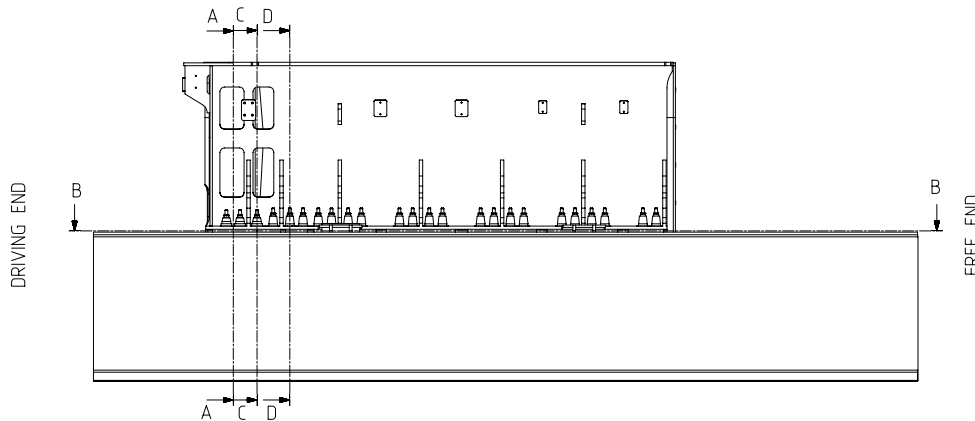
	<h2>ENGINE SEATING/FOUNDATION</h2> <h3>FOUNDATION ARRANGEMENT: STANDARD</h3>
--	--

Bill Of Material				Dimension					
Copyright WinGD 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 WinGD Ltd.		Units	[m] [kg]	Basic Material			Net Weight	586	
Main Design		Yes	Design Group		9710	Q-Code	X X M	Standard	WDS
Qty per	Engine	A4	Item ID	PTAA056757			BOM Page/s	01/01	

SECTION A-A
SCALE 1:10



- *1) HEIGHT TO BE DETERMINED BY SHIPYARD, FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722
- *2) CHECK THICKNESS 30^{+5} MM
- FINAL CHECK THICKNESS TO BE DETERMINED BY SHIPYARD
- *3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES
- *4) QUANTITY DEPENDING ON SHIPYARD DESIGN



REVISIONS		DRAWING NO.		DRAWING FILE	
1	Issue	1	100	100	100
2	Issue	1	100	100	100
3	Issue	1	100	100	100
4	Issue	1	100	100	100
5	Issue	1	100	100	100
6	Issue	1	100	100	100
7	Issue	1	100	100	100
8	Issue	1	100	100	100
9	Issue	1	100	100	100
10	Issue	1	100	100	100
11	Issue	1	100	100	100
12	Issue	1	100	100	100
13	Issue	1	100	100	100
14	Issue	1	100	100	100
15	Issue	1	100	100	100
16	Issue	1	100	100	100
17	Issue	1	100	100	100
18	Issue	1	100	100	100
19	Issue	1	100	100	100
20	Issue	1	100	100	100
21	Issue	1	100	100	100
22	Issue	1	100	100	100
23	Issue	1	100	100	100
24	Issue	1	100	100	100

SECTION B-B
CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

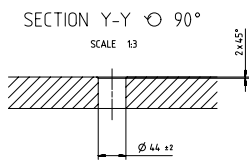
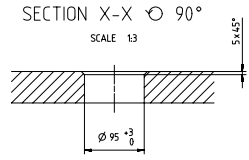
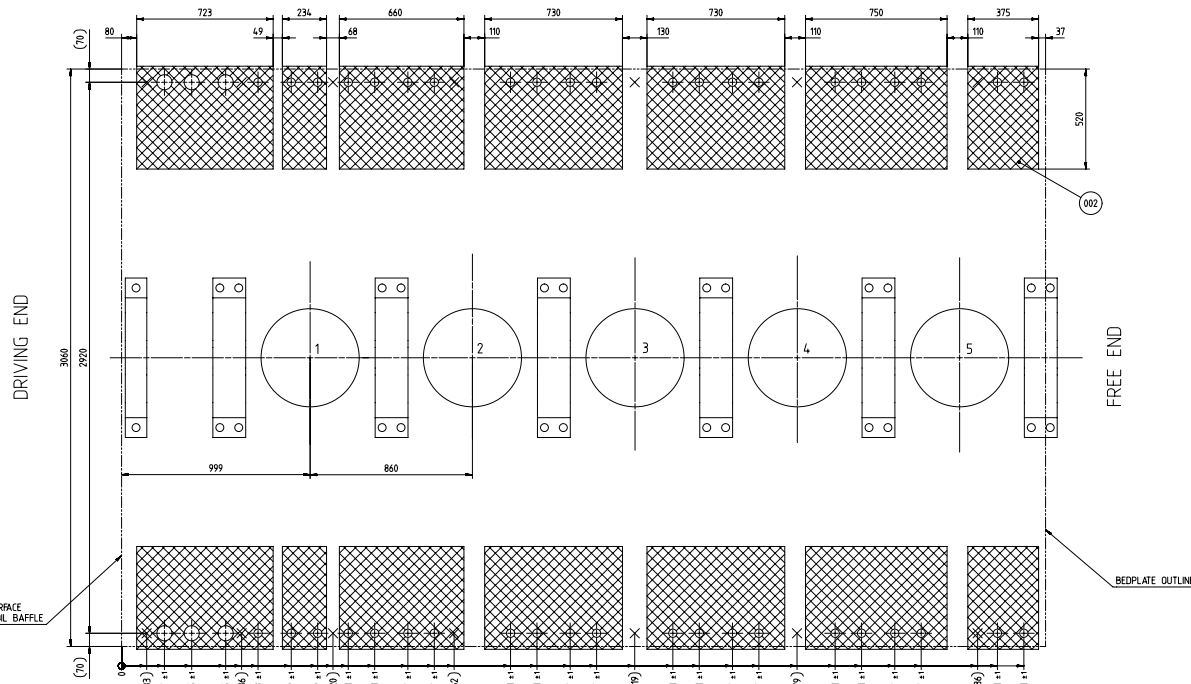
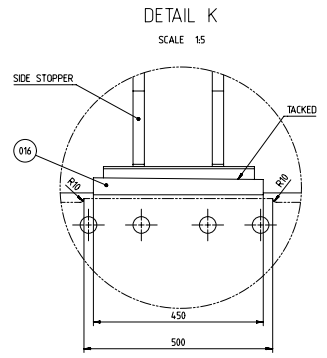
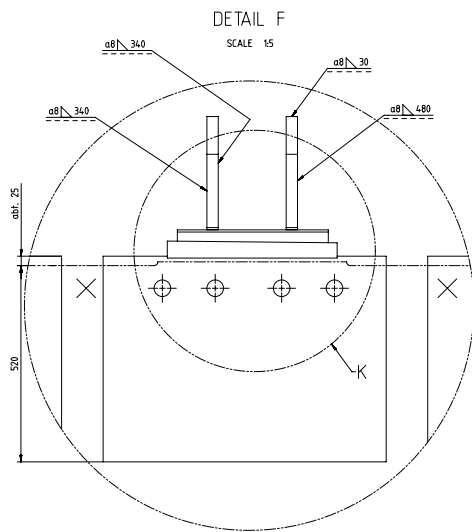
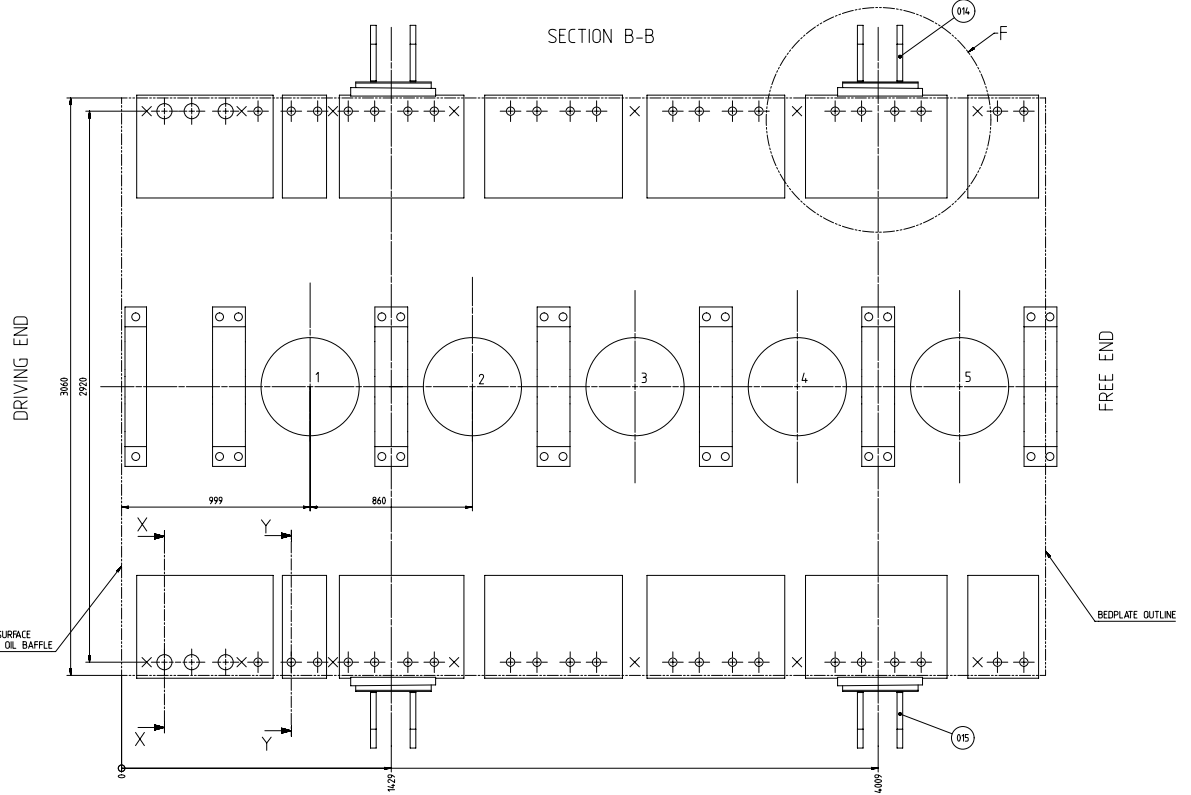


Table: Design values

No. of cylinders	No. of thrust sleeves	Total no. of bolt holes
5	6	48
Proposed dimension of epoxy resin chock *1)		
Chock length per side (mm)	Chocking area (cm ²)	Chock volume requirements *2) (dm ³)
4,202	4,4862	min. 120 max. 288

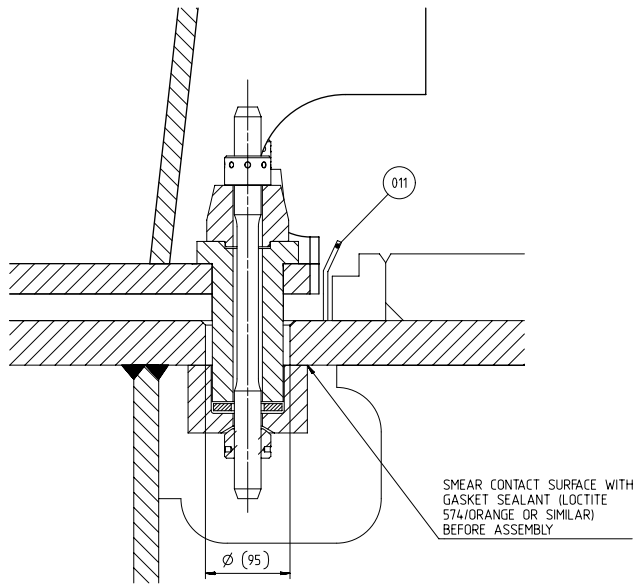
Remarks:

- *1) Proposed dimensions are based on the following assumptions:
 - The maximum permissible mean static pressure is 4.5 N/mm² *3)
 - The dead-weight loading from the engine (incl. net engine mass, vibration damper, flywheel, water and oil results in a mean static pressure below 0.8 N/mm²
 - Engine fastener loading is in line with fully tightened bolts (in accordance with fitting instruction).
- *2) Referring to a standardized chock thickness of 25 mm to 60 mm.
- *3) The verification of the maximum permissible mean static pressure for the epoxy resin chock is to be conducted in conjunction with the chock manufacture during the early stages of the project. This allows the shipyard to determine the final chock dimensions to achieve the relevant class approval.
- *4) Execution shown on drawing.



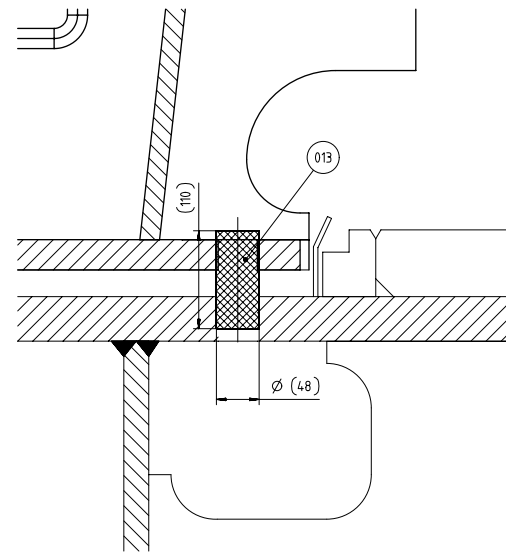
SECTION C-C

ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK

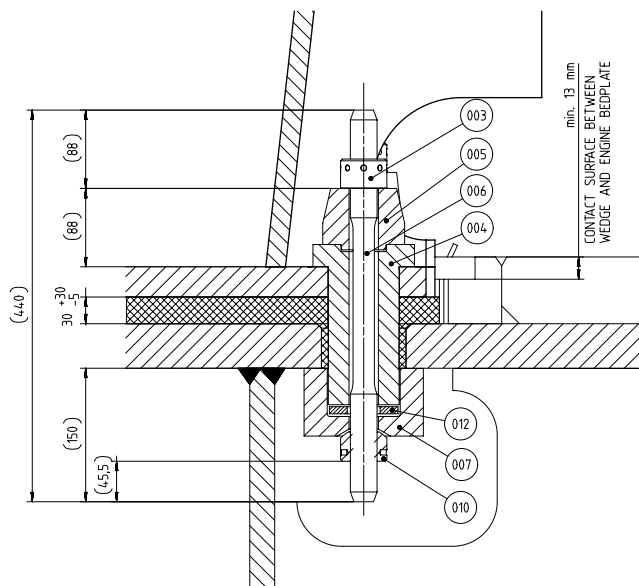


SECTION D-D

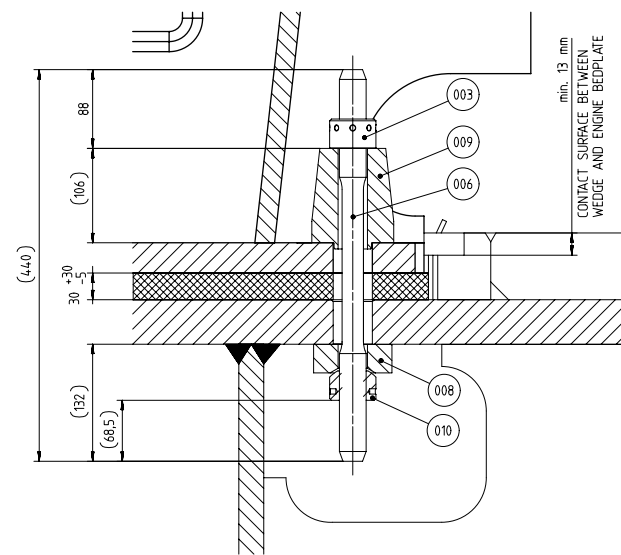
ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



SECTION C-C
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK



SECTION D-D
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK



SURFACE PROTECTION SEE GROUP 0344		Change	B	ppa011	rnld09	21032324	04A003231	Drawing updated	4	3
TOLERANCING PRINCIPLE ISO8015		Design	Creator	Approval	Approval Date	Change ID	Change System		E	C
GENERAL TOLERANCES ACCORDING TO ISO2768-MK		mm	kg	1:3	mm	NX	A1	PTAA056757	Drawing Pages 3/3	

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD381145	RIB			W-FU-355-J0	26
2	1	107.398.394.500	EPOXY RESIN				0.001
3	56	107.345.876.002	ROUND NUT	M30		W-FA-42CrMo-QT	0.37
4	8	PAAD380992	SLEEVE			W-FA-34CrMo-QT	6.8
5	8	PAAD381136	BUSH			W-FU-355-J0	2.6
6	56	PAAD381118	ELASTIC BOLT			W-FA-42CrMo-QT	2.1
7	8	PAAD381113	CONICAL SOCKET			W-FA-34CrMo-QT	6
8	48	PAAD381128	CONICAL SOCKET			W-FA-34CrMo-QT	1.3
9	48	PAAD381130	BUSH			W-FU-355-J0	4.1
10	56	PAAD379030	SPHERICAL ROUND NUT			W-FA-42CrMo-QT	0.376
11	1	107.367.119.001	SEALING PIECE				0.001
12	8	PTAA086389	JOINT DISC				0
13	48	PAAD024777	PLUG			W-FU-235-JR	0.001
14	3	PAAD214749	ENGINE SIDE STOPPER				20.3
15	3	PAAD214952	ENGINE SIDE STOPPER				24
18	6	107.325.275.001	WEDGE	45x25x450		W-FU-235-JR	3.8
19	1	107.401.839	FITTING INSTRUCTIONS				

Proc.	6 X52-S2.0 6 X52DF-A-S1.0		6 X52DF-M-S1.0 6 X52DF-S1.0		6 X52DF-S2.0					
Change History	D	npa101	mhu019	21.08.2024	CNAA006231	Drawing updated			4	3
	C	ara101	mhu019	22.02.2024	CNAA005102	Drawing updated			4	3
	B	sna102	mhu019	22.11.2022	CNAA002783	Drawing Updated			4	3
	-	dkl021	mhu019	29.04.2021	EAAD787467	-			-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C



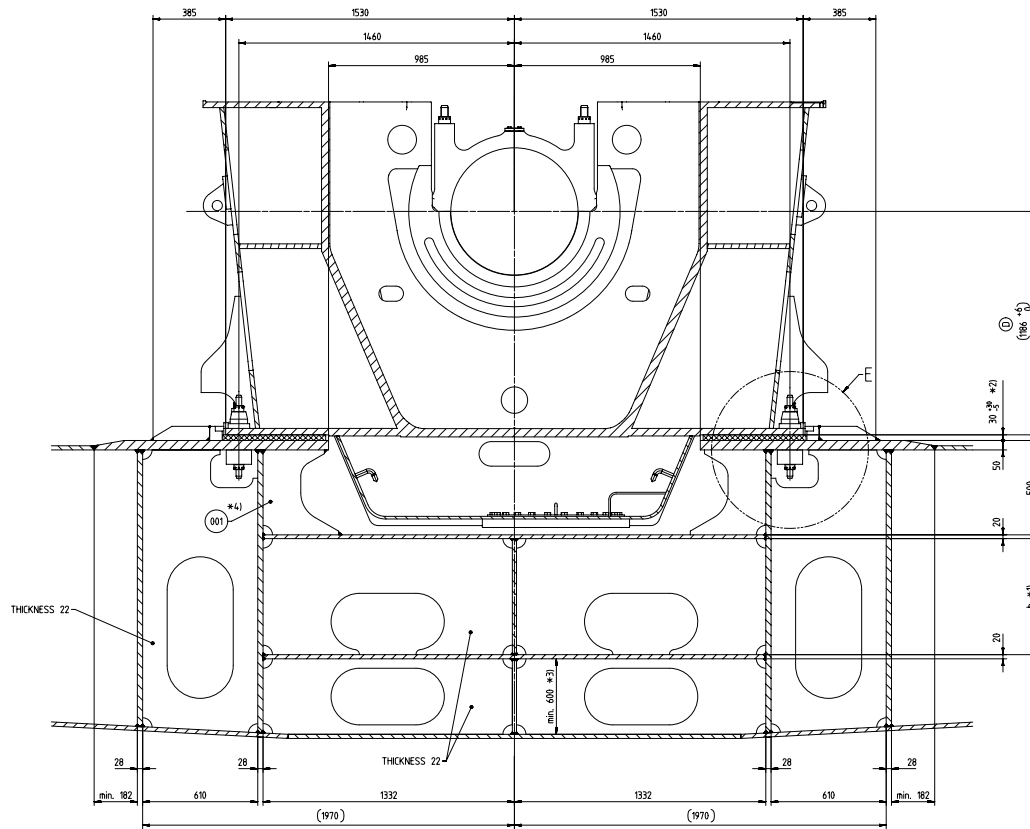
ENGINE SEATING/FOUNDATION

FOUNDATION ARRANGEMENT: STANDARD

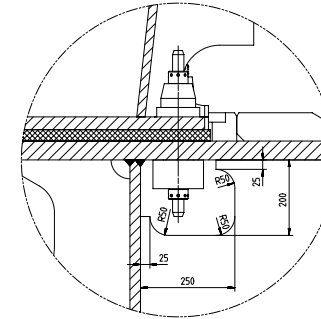
Bill Of Material

Copyright WinGD 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 WinGD Ltd.		Units	[m] [kg]	Basic Material			Net Weight	724
Main Design	Yes	Design Group	9710	Q-Code	X X M	Standard	WDS	
Qty per	Engine	A4	Item ID	PAAD381194		BOM Page/s	01/01	

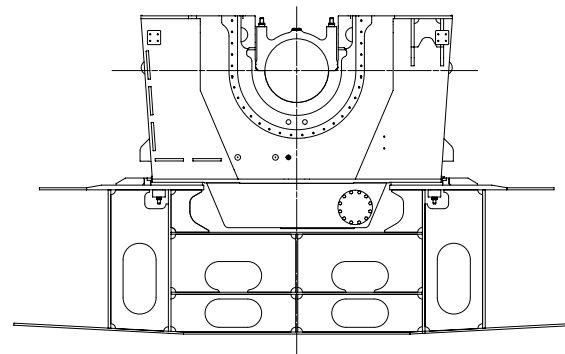
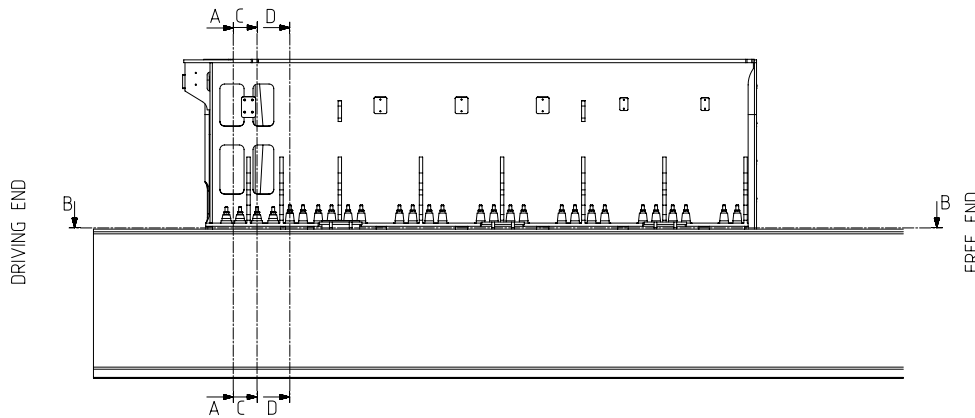
SECTION A-A
SCALE 1:10



DETAIL E
SCALE 1:5



- *1) HEIGHT TO BE DETERMINED BY SHIPYARD, FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722
- *2) CHECK THICKNESS 30^{+20}_{-5} MM
- FINAL CHECK THICKNESS TO BE DETERMINED BY SHIPYARD
- *3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES
- *4) QUANTITY DEPENDING ON SHIPYARD DESIGN

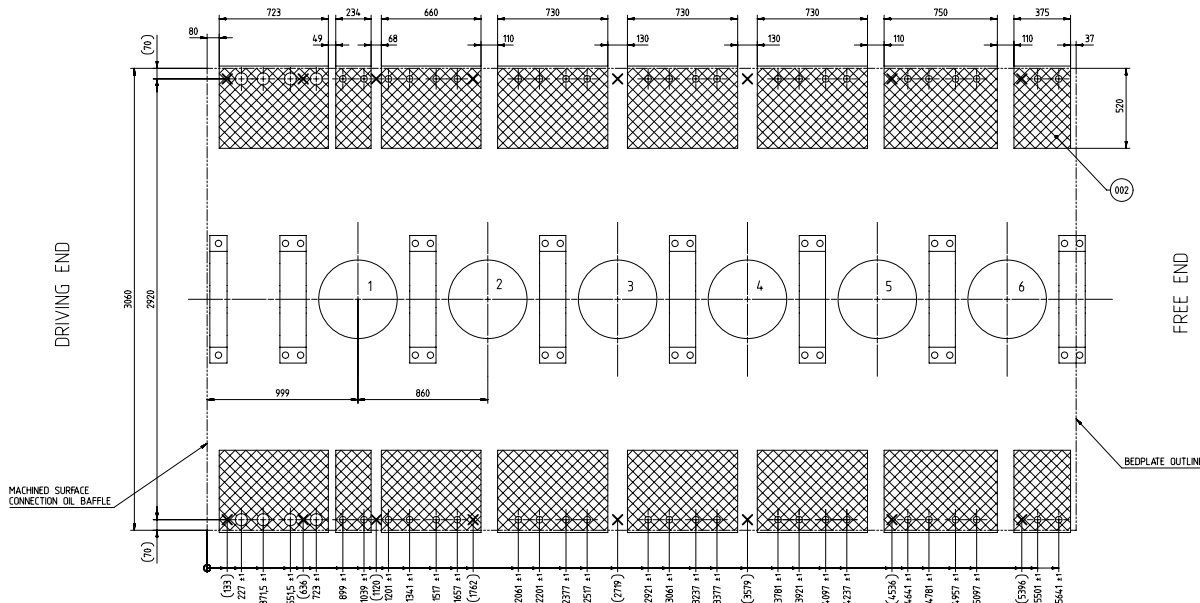


REV	DESCRIPTION	DATE	BY	CHECKED	GROUP
D	01/11/11	2011/01/11	01/11/11	01/11/11	01/11/11
C	01/11/11	2011/01/11	01/11/11	01/11/11	01/11/11
B	01/11/11	2011/01/11	01/11/11	01/11/11	01/11/11
A	01/11/11	2011/01/11	01/11/11	01/11/11	01/11/11

SEPARATE BOM AVAILABLE		DATE	BY	CHECKED	GROUP
DATE	BY	BY	BY	BY	BY
DATE	BY	BY	BY	BY	BY

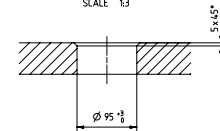
SCALE	1:10	PROJ. NO.	PAAD38119
DESIGN	AD	DATE	22/01/11
ENGINEER	AD	DATE	22/01/11
GROUP	AD	DATE	22/01/11

B-B
CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



SECTION X-X \circlearrowleft 90°

SCALE 1:3



SECTION Y-Y \circlearrowleft 90°

SCALE 1:3

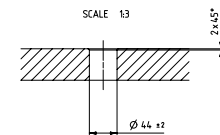
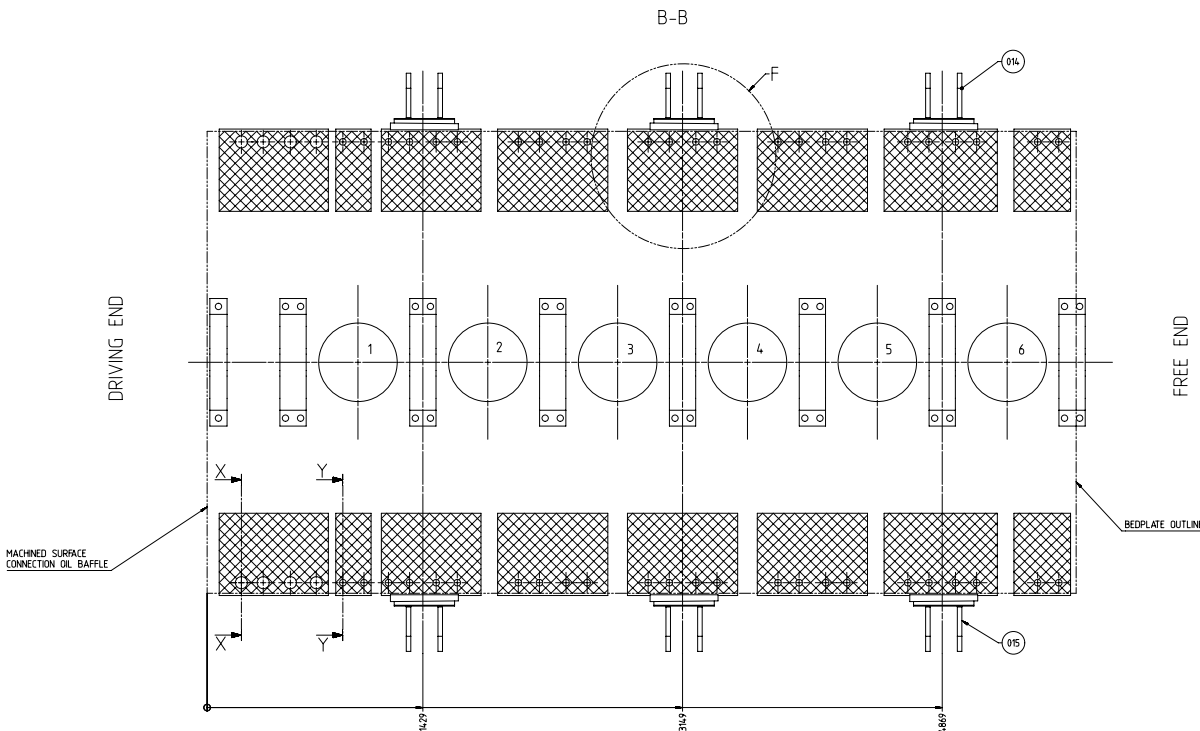


Table: Design values

No. of cylinders	No. of thrust sleeves	Total no. of bolt holes
6	8	56
Proposed dimension of epoxy resin chock *1)		
Chock length per side (mm)	Chocking area (cm ²)	Chock volume requirements *2) (dm ³)
4932	5263	min. 120 max. 288

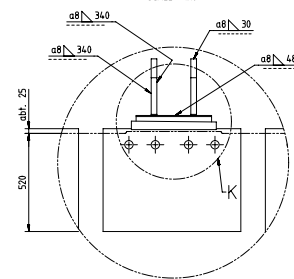
Remarks:

- *1) Proposed dimensions are based on the following assumptions:
 - The maximum permissible mean static pressure is 4.5 N/mm² *3)
 - The dead-weight loading from the engine (incl. net engine mass, vibration damper, flywheel, water and oil results in a mean static pressure below 0.8 N/mm²
 - Engine fastener loading is in line with fully tightened bolts (in accordance with fitting instruction).
- *2) Referring to a standardized chock thickness of 25 mm to 60 mm.
- *3) The verification of the maximum permissible mean static pressure for the epoxy resin chock is to be conducted in conjunction with the chock manufacture during the early stages of the project. This allows the shipyard to determine the final chock dimensions to achieve the relevant class approval.
- *4) Execution shown on drawing.



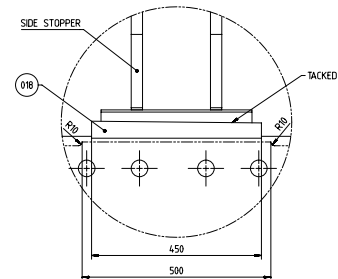
DETAIL F

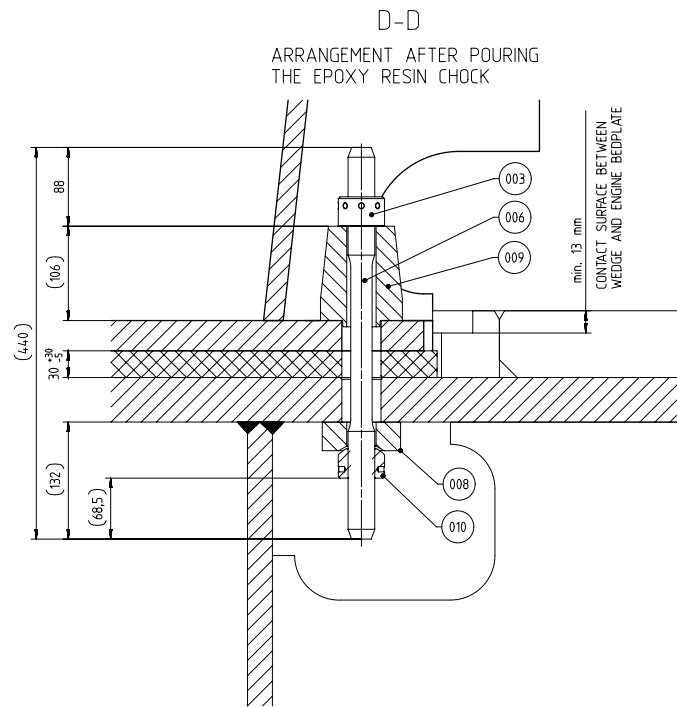
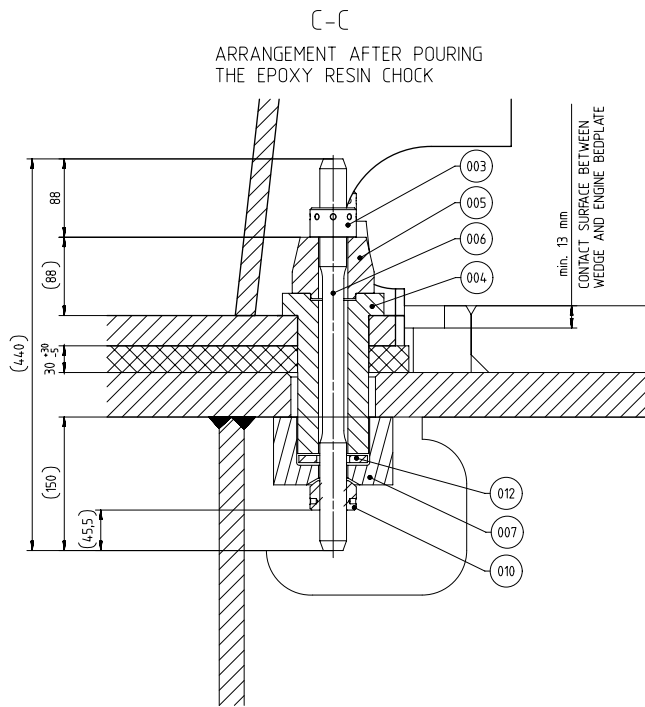
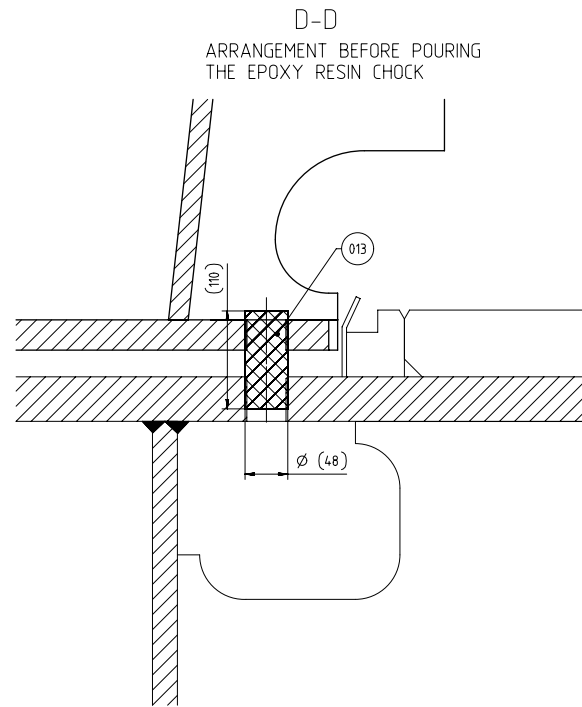
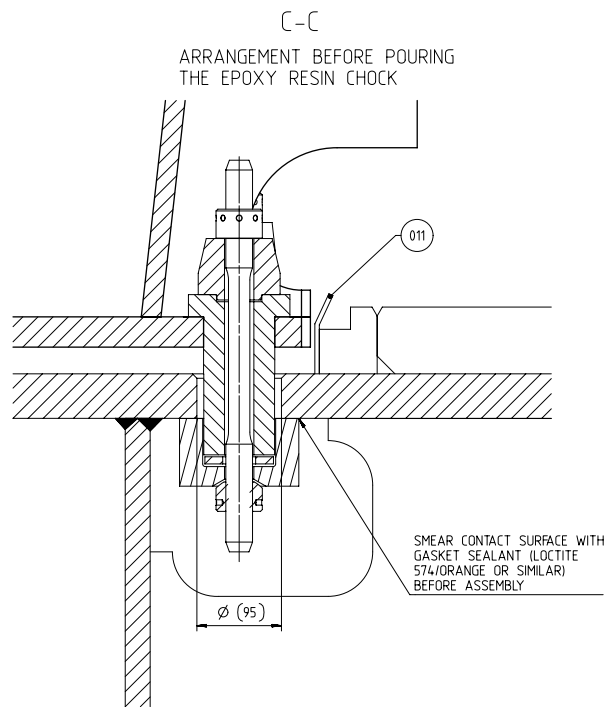
SCALE 1:10



DETAIL K

SCALE 1:5





SURFACE PROTECTION SEE GROUP 0344		Drawn	D	ppa011	Checked	rnld09	21032324	04003231	Drawing updated		4	3
TOLERANCING PRINCIPLE ISO8015		Rev.	01	Created	Approved	Approval Date	Change ID	Change System	AUTOCAD		Activity Code	E
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		mm	kg	1:3	mm	D	NX	A1	PAAD381194		Drawing	3/3
		<p>© 2004 Autodesk, Inc. All rights reserved. This drawing is the property of Autodesk, Inc. and is not to be distributed, copied, or reproduced in any form without the written permission of Autodesk, Inc. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that appear in this document.</p>										

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	PAAD381145	RIB			W-FU-355-J0	26
002	1	107.398.394.500	EPOXY RESIN				0.001
003	64	107.345.876.002	ROUND NUT	M30		W-FA-42CrMo-QT	0.37
004	8	PAAD380992	SLEEVE			W-FA-34CrMo-QT	6.8
005	8	PAAD381136	BUSH			W-FU-355-J0	2.6
006	64	PAAD381118	ELASTIC BOLT			W-FA-42CrMo-QT	2.1
007	8	PAAD381113	CONICAL SOCKET			W-FA-34CrMo-QT	6
008	56	PAAD381128	CONICAL SOCKET			W-FA-34CrMo-QT	1.3
009	56	PAAD381130	BUSH			W-FU-355-J0	4.1
010	64	PAAD379030	SPHERICAL ROUND NUT			W-FA-42CrMo-QT	0.376
011	1	107.367.119.001	SEALING PIECE				0.001
012	8	PTAA086389	JOINT DISC				0
013	56	PAAD024777	PLUG			W-FU-235-JR	0.001
014	4	PAAD214749	ENGINE SIDE STOPPER				20.3
015	4	PAAD214952	ENGINE SIDE STOPPER				24
016	8	107.325.275.001	WEDGE	45x25x450		W-FU-235-JR	3.8
017	1	107.401.839	FITTING INSTRUCTIONS				

Prod.	7 X52-S2.0 7 X52DF-A-S1.0	7 X52DF-M-S1.0 7 X52DF-S1.0	7 X52DF-S2.0
-------	------------------------------	--------------------------------	--------------

Change History	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
A	npa101	mhu019	21.08.2024	CNAA006231	Drawing updated				4	3
-	npa101	mhu019	06.05.2024	CNAA005292	New MainDesign introduced				-	-

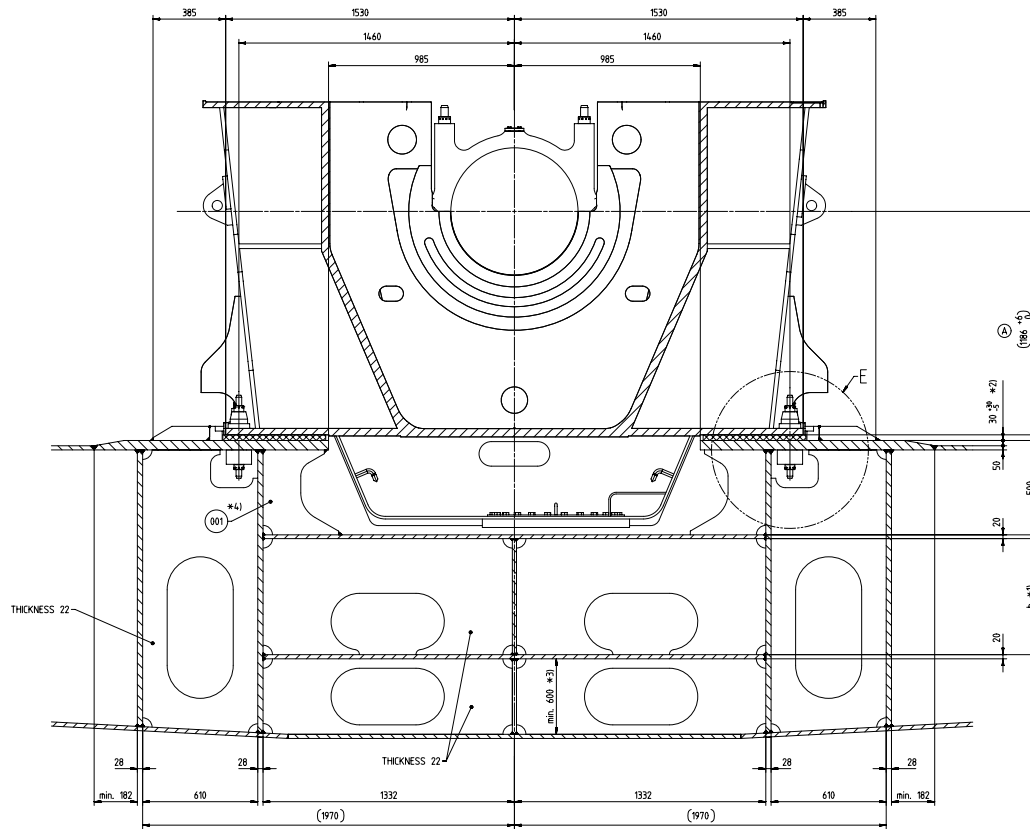


ENGINE SEATING/FOUNDATION

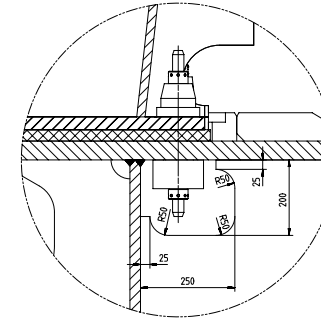
FOUNDATION ARRANGEMENT: STANDARD

Bill Of Material				Dimension				
Copyright WinGD 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 WinGD Ltd.		Units	[m] [kg]	Basic Material		Net Weight		841
Main Design	Yes	Design Group	9710	Q-Code	X X M	Standard	WDS	
Qty per	Engine	A4	Item ID	PTAA092786		BOM Page/s	01/01	

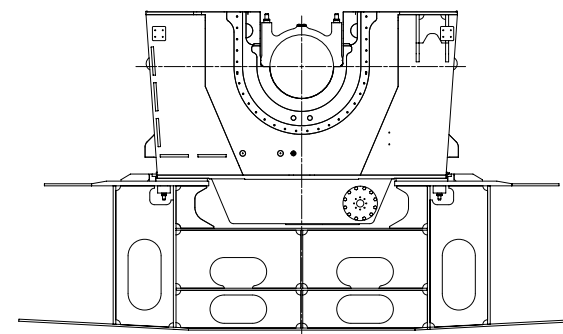
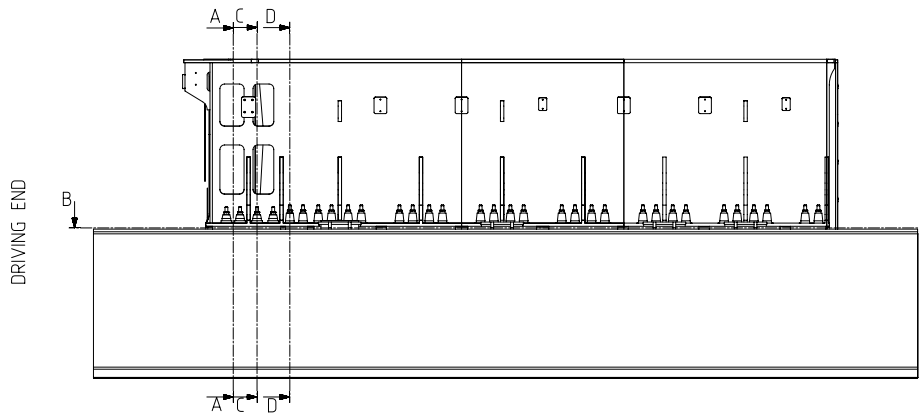
SECTION A-A
SCALE 1:10



DETAIL E
SCALE 15



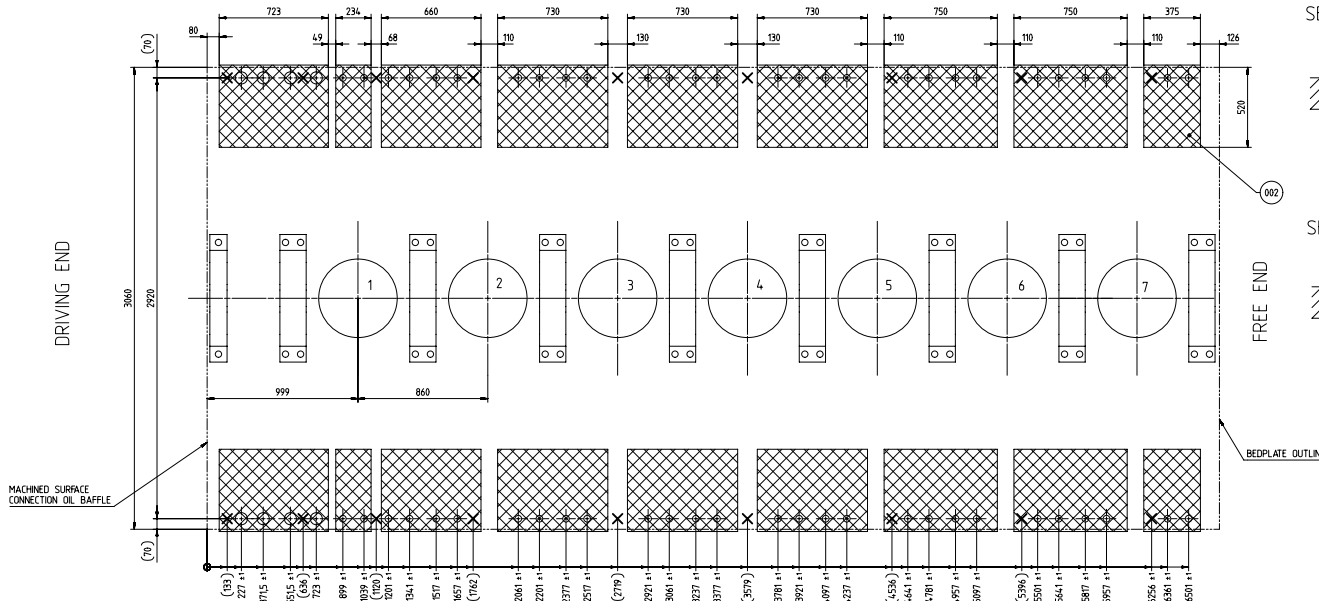
- *1) HEIGHT TO BE DETERMINED BY SHIPYARD, FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722
- *2) CHECK THICKNESS 30^{+20}_{-5} MM
- FINAL CHECK THICKNESS TO BE DETERMINED BY SHIPYARD
- *3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES
- *4) QUANTITY DEPENDING ON SHIPYARD DESIGN



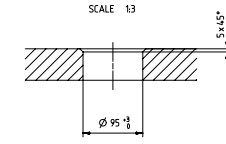
PROJ-001		PROJ-001-01		PROJ-001-02	
NO.	DESCRIPTION	DATE	BY	CHKD.	APPV.
1	Initial Design	2023-01-10	J. Doe	M. Smith	
2	Design Update	2023-02-15	J. Doe	M. Smith	
3	Final Design	2023-03-20	J. Doe	M. Smith	

Project	PTAA092786	Scale	X X M
Client	WINGD	Design	9710
Engineer	AD	Checked	PTAA092786
Drawn		Project	1/3

SECTION B-B
CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



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



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

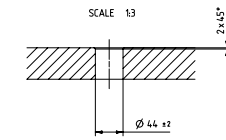
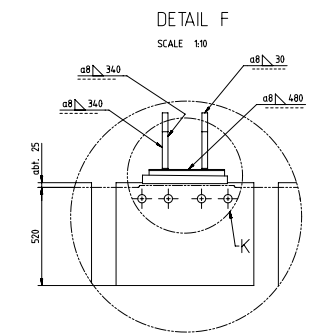
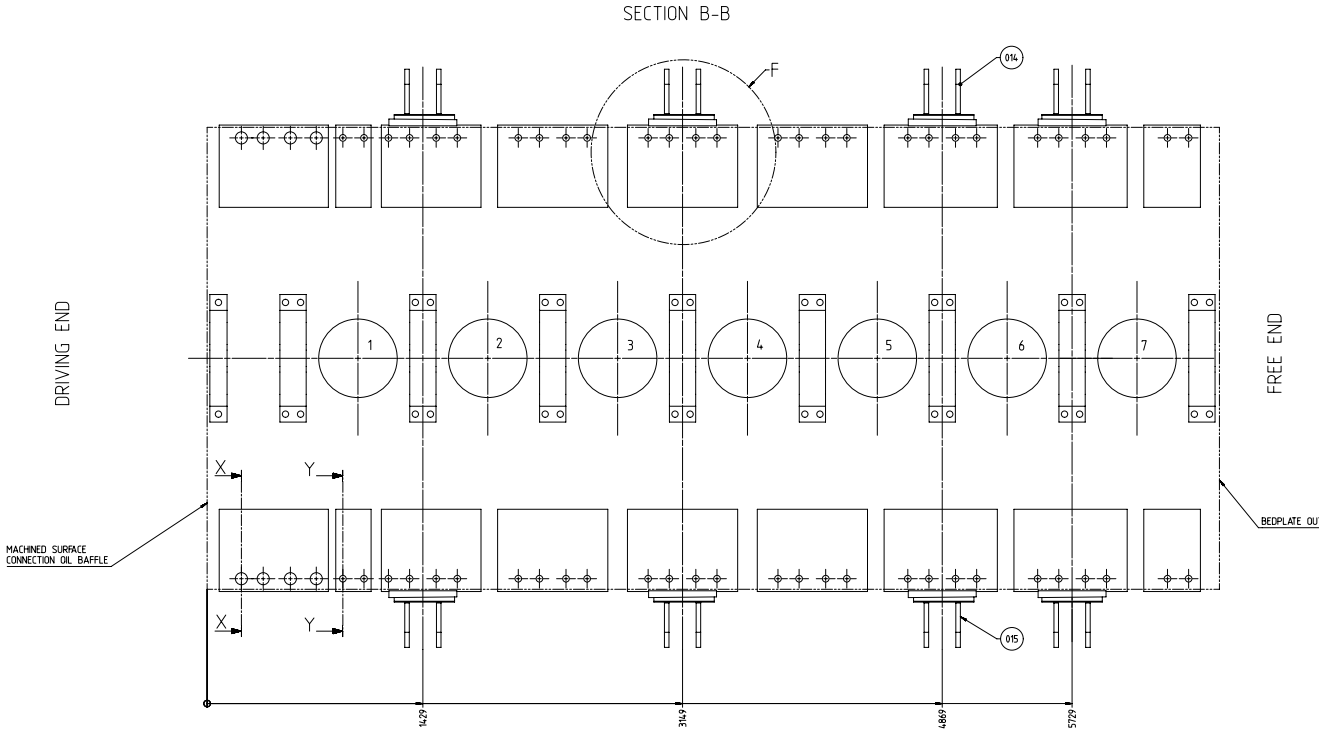


Table: Design values

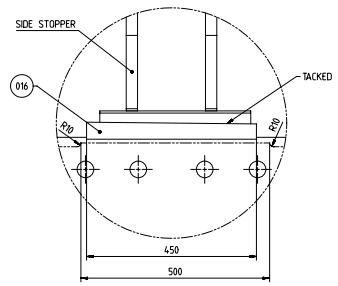
No. of cylinders	No. of thrust sleeves	Total no. of bolt holes
7	8	64
Proposed dimension of epoxy resin chock *#1		
Chock length per side (mm)	Chocking area (cm ²)	Chock volume requirements *#2 (dm ³)
5682	60680	min. 14.2 max. 34.1

Remarks:

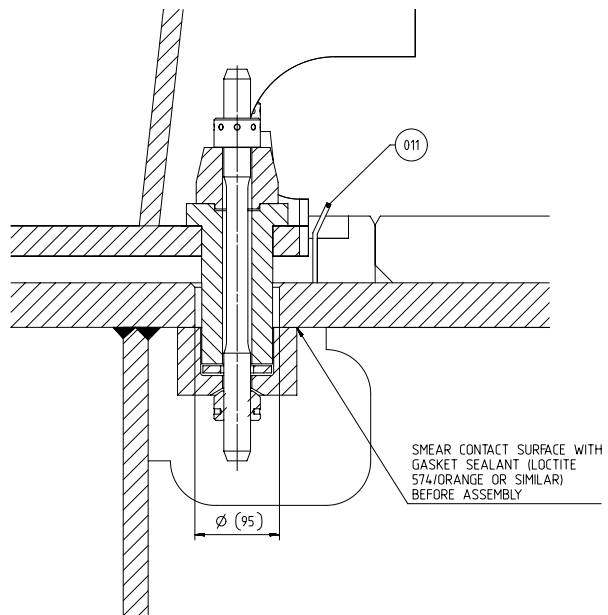
- *#1 Proposed dimensions are based on the following assumptions:
 - The maximum permissible mean static pressure is 4.5 N/mm² *#3
 - The dead-weight loading from the engine (incl. net engine mass, vibration damper, flywheel, water and oil results in a mean static pressure below 0.8 N/mm²
 - Engine fastener loading is in line with fully tightened bolts (in accordance with fitting instruction).
- *#2 Referring to a standardized chock thickness of 25 mm to 60 mm.
- *#3 The verification of the maximum permissible mean static pressure for the epoxy resin chock is to be conducted in conjunction with the chock manufacture during the early stages of the project. This allows the shipyard to determine the final chock dimensions to achieve the relevant class approval.
- *#4 Execution shown on drawing.



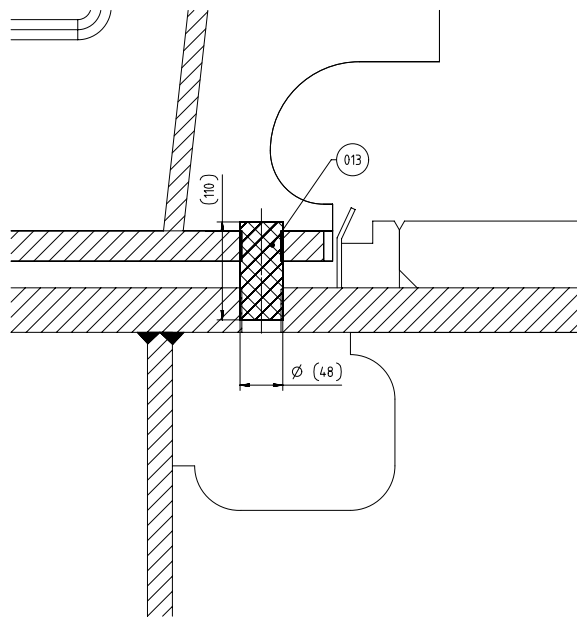
DETAIL K
SCALE 1:5



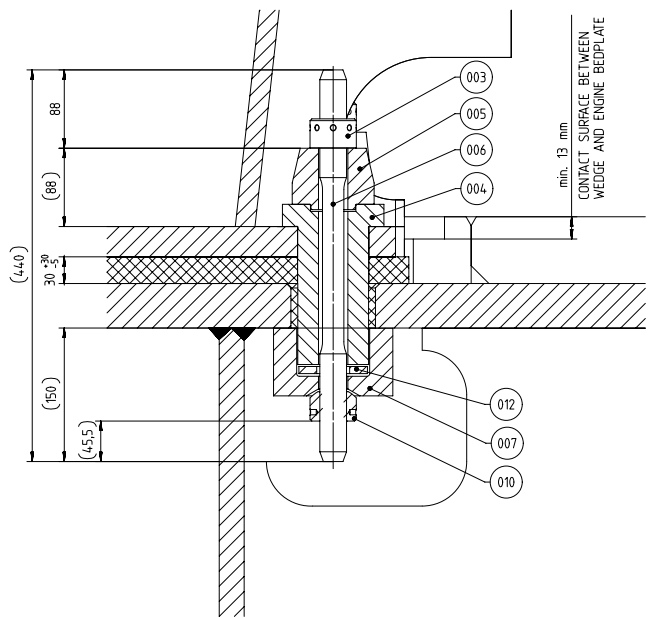
SECTION C-C
ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



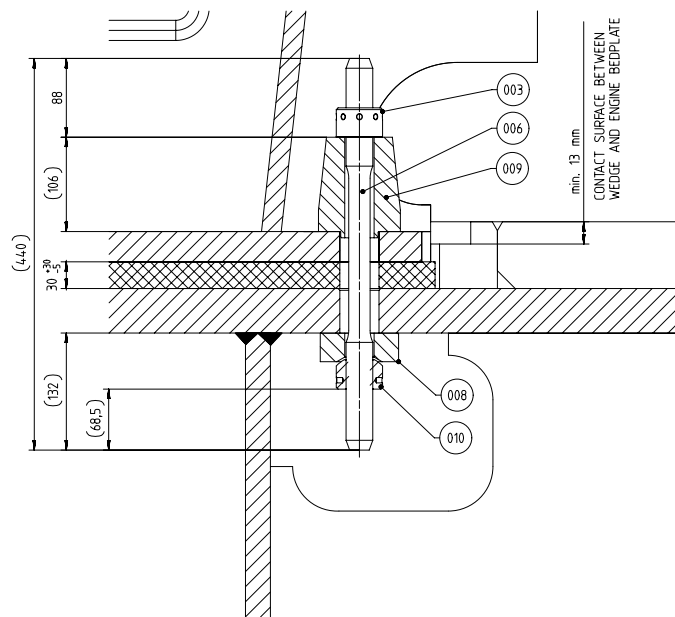
SECTION D-D
ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



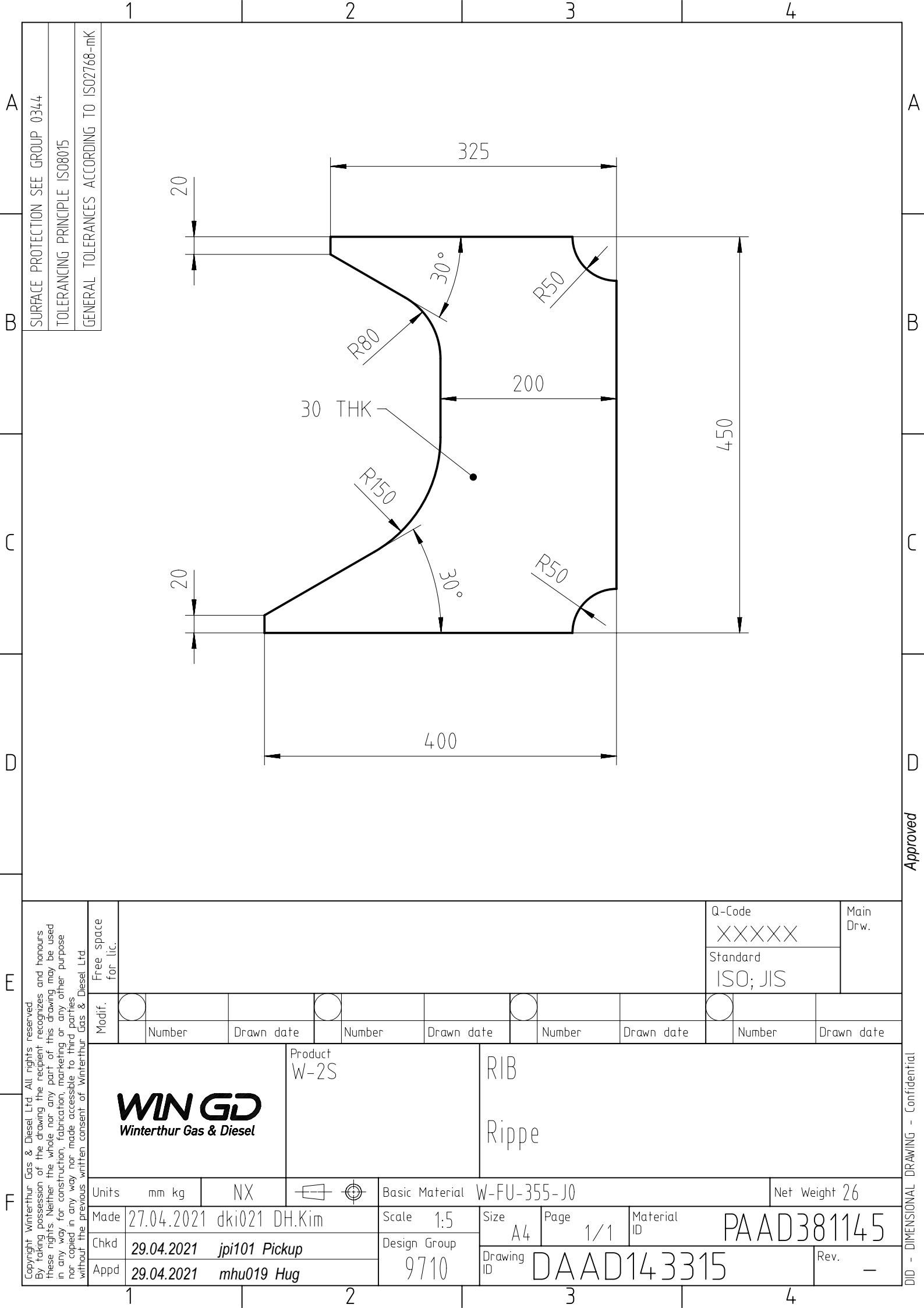
SECTION C-C
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK



SECTION D-D
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK



SURFACE PROTECTION SEE GROUP 0344		Drawn	A	ppa011	rnld09	21082024	04A003231	Drawing updated	4	3
TOLERANCING PRINCIPLE ISO8015		Rev.	Creator	Approval	Approval Date	Change ID	Change System	Activity Code	E	C
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		mm	kg	1:3	mm	NX	A1	PTAA092786	3/3	



SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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		RIB Rippe				
Units	mm kg	NX	Basic Material W-FU-355-J0		Net Weight 26			
Made	27.04.2021 dki021 DH.Kim		Scale	1:5	Size	A4	Page	1/1
Chkd	29.04.2021 jpi101 Pickup		Design Group	9710		Material ID	PAAD381145	
Appd	29.04.2021 mhu019 Hug		Drawing ID	DAAD143315		Rev.	-	

Approved


DID - DIMENSIONAL DRAWING - Confidential

A
B
C
D
E
F

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

Properties	Standart	Values
Ultimate compression strength	ASTM D-695	min. 130 MPa
Compression yield point	ASTM D-695	min. 100 MPa
Compressive modulus of elasticity	ASTM D-695	min. 3100 MPa
Deformation under load Load550 N / 70°C Load1100 N / 70°C	ASTM D-621	max. 0.10% max. 0.15%
Curing shrinkage	ASTM D-2566	max. 0.15%
Coefficient of thermal expansion (0-60 K)	ASTM D-696	max. 50x10 ⁻⁶ 1/K
Coefficient of friction	normal	min. 0.3

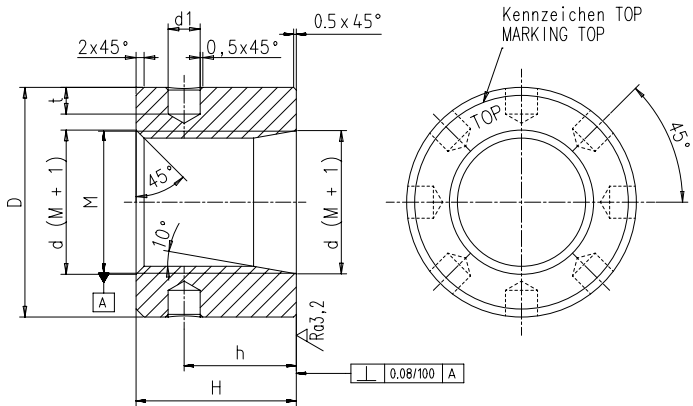
Required properties of epoxy resin material

Free space for lic.	Q-Code						Main	
	XQXXX						Drw.	
Standard						ISO; JIS		
Modif.	EAAD091567	04.12.2019						
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
			Product W-2S		EPOXY RESIN			
					Epoxydharz			
Units	mm kg	NX	Basic Material				Net Weight 0	
Made	02.04.2008 M.PRSTEC		Scale	-	Size	A4	Page	1/1
Chkd			Design Group	9710		Material ID	107.398.394.500	
Appd	07.04.2008 MPR002 Prstec				Drawing ID	107.398.394		Rev. A

A
B
C
D
E
F

Approved

DID - DIMENSIONAL DRAWING - Confidential



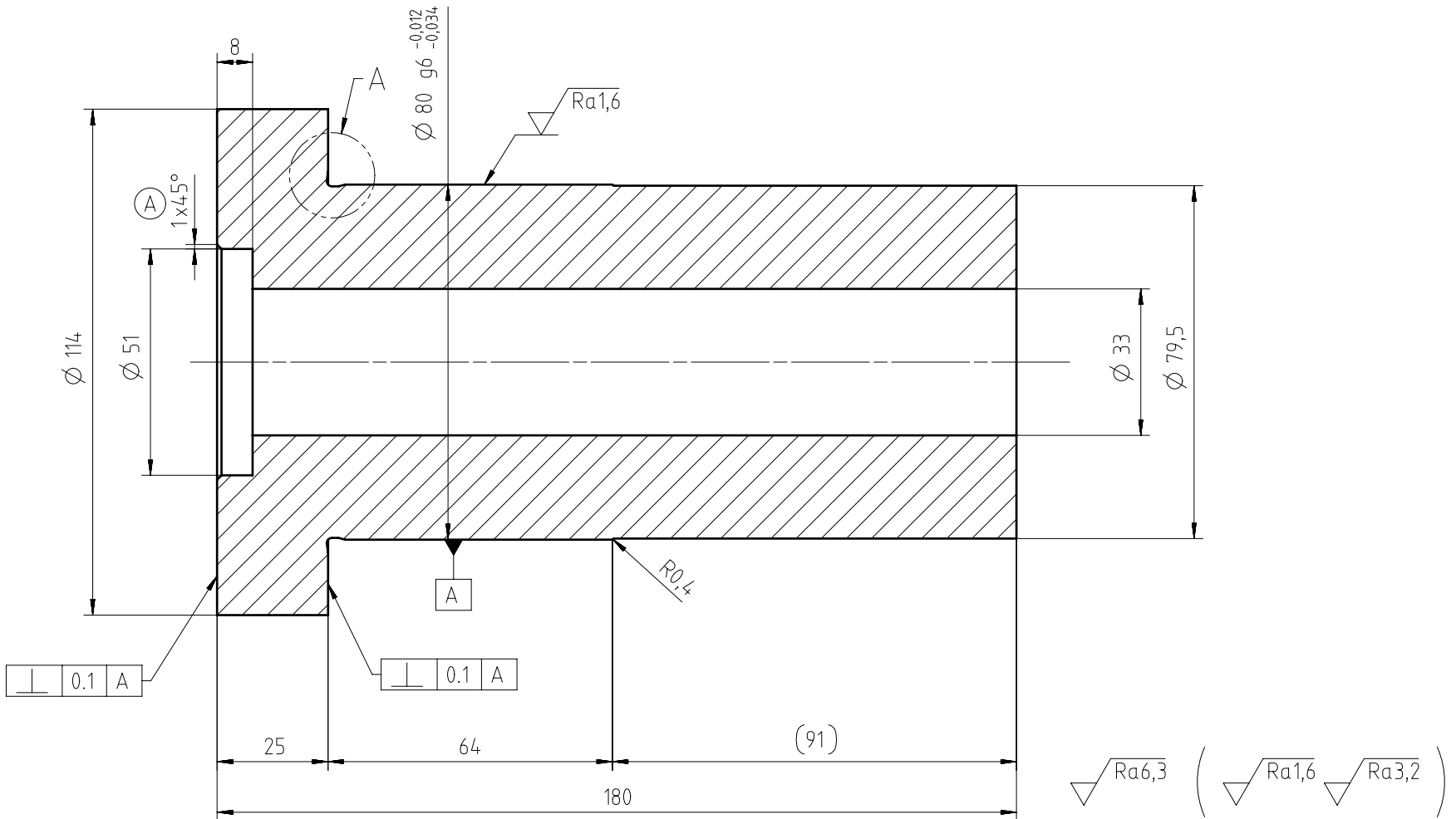
POS.	M	D	d	H	h	d1	t
001	M27	47	28	29	20	6 ^{+0.2} ₀	7
002	M30	52	31	33	23	6 ^{+0.2} ₀	7
003	M33	57	34	36	25	6 ^{+0.2} ₀	7
004	M36	62	37	39	27	6 ^{+0.2} ₀	7
005	M39	67	40	42	29	6 ^{+0.2} ₀	7
006	M42	73	43	46	32	6 ^{+0.2} ₀	7
007	M45	78	46	49	34	6 ^{+0.2} ₀	7
008	M48	83	49	52	36	6 ^{+0.2} ₀	7
009	M52	90	53	56	39	6 ^{+0.2} ₀	7
010	M56	97	57	61	43	9.5 ^{+0.2} ₀	10
011	M60	104	61	65	46	9.5 ^{+0.2} ₀	10
012	M64	110	65	70	49	9.5 ^{+0.2} ₀	10
013	M68	117	69	74	52	9.5 ^{+0.2} ₀	10
014	M72	124	73	78	55	9.5 ^{+0.2} ₀	10
015	M76	131	77	82	57	9.5 ^{+0.2} ₀	10
016	M80	138	81	87	61	14 ^{+0.2} ₀	15
017	M85	146	86	92	64	14 ^{+0.2} ₀	15
018	M90	155	91	98	69	14 ^{+0.2} ₀	15
019	M95	164	96	103	72	14 ^{+0.2} ₀	15
020	M100	172	101	108	76	14 ^{+0.2} ₀	15

Ro6.3 / (Ra3.2)

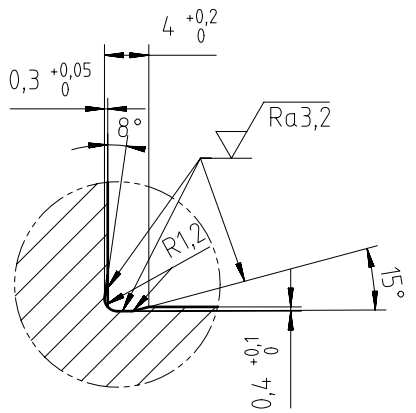
MATERIAL :	42CrMo4 (ISO)	SCM440 (JIS)
D > 40 - ≤ 100	verguetet Rm = 900-1100 N/mm ² HEAT TREATED	
D > 100 - ≤ 160	verguetet Rm = 800-950 N/mm ² HEAT TREATED	
D > 160 - ≤ 250	verguetet Rm = 750-900 N/mm ² HEAT TREATED	

1	QTY	SEQ NO	Material ID	Material Name	Standard or Drawing	Basic Material Material Standard	Weight GR/NET	
1	020	107.345.876.020		ROUND NUT	M100	107.345.876	W-RA-42CrMo-07	13,2
1	019	107.345.876.019		ROUND NUT	M95	107.345.876	W-RA-42CrMo-07	11,4
1	018	107.345.876.018		ROUND NUT	M90	107.345.876	W-RA-42CrMo-07	9,7
1	017	107.345.876.017		ROUND NUT	M85	107.345.876	W-RA-42CrMo-07	8,1
1	016	107.345.876.016		ROUND NUT	M80	107.345.876	W-RA-42CrMo-07	6,8
1	015	107.345.876.015		ROUND NUT	M76	107.345.876	W-RA-42CrMo-07	5,9
1	014	107.345.876.014		ROUND NUT	M72	107.345.876	W-RA-42CrMo-07	5,0
1	013	107.345.876.013		ROUND NUT	M68	107.345.876	W-RA-42CrMo-07	4,2
1	012	107.345.876.012		ROUND NUT	M64	107.345.876	W-RA-42CrMo-07	3,5
1	011	107.345.876.011		ROUND NUT	M60	107.345.876	W-RA-42CrMo-07	2,9
1	010	107.345.876.010		ROUND NUT	M56	107.345.876	W-RA-42CrMo-07	2,36
1	009	107.345.876.009		ROUND NUT	M52	107.345.876	W-RA-42CrMo-07	1,86
1	008	107.345.876.008		ROUND NUT	M48	107.345.876	W-RA-42CrMo-07	1,42
1	007	107.345.876.007		ROUND NUT	M45	107.345.876	W-RA-42CrMo-07	1,2
1	006	107.345.876.006		ROUND NUT	M42	107.345.876	W-RA-42CrMo-07	0,96
1	005	107.345.876.005		ROUND NUT	M39	107.345.876	W-RA-42CrMo-07	0,79
1	004	107.345.876.004		ROUND NUT	M36	107.345.876	W-RA-42CrMo-07	0,63
1	003	107.345.876.003		ROUND NUT	M33	107.345.876	W-RA-42CrMo-07	0,49
1	002	107.345.876.002		ROUND NUT	M30	107.345.876	W-RA-42CrMo-07	0,37
1	001	107.345.876.001		ROUND NUT	M27	107.345.876	W-RA-42CrMo-07	0,25

A EAAD700017 13.01.2011 B EAAD084319 06.02.2013 C EAAD087822 12.07.2017
 Number Drawn date Number Drawn date Number Drawn date
 Product: W-2S
WIN GO WITTSCHER GAS & DIESEL
 ROUND NUT
 ROUND NUT
 Units: mm kg NX Basic Material Scale: 1:1 Size: A1 Page: 1/1 Material ID: 107.345.876
 Made: 19.08.2004 pne001 P.Neracher
 TOLERANCING PRINCIPLE ISO8015 Design Group: 3306 Drawing ID: 107.345.876
 GENERAL TOLERANCES ACCORDING TO ISO2768-mK Appd: 20.08.2004 PNE001 Neracher Rev: C



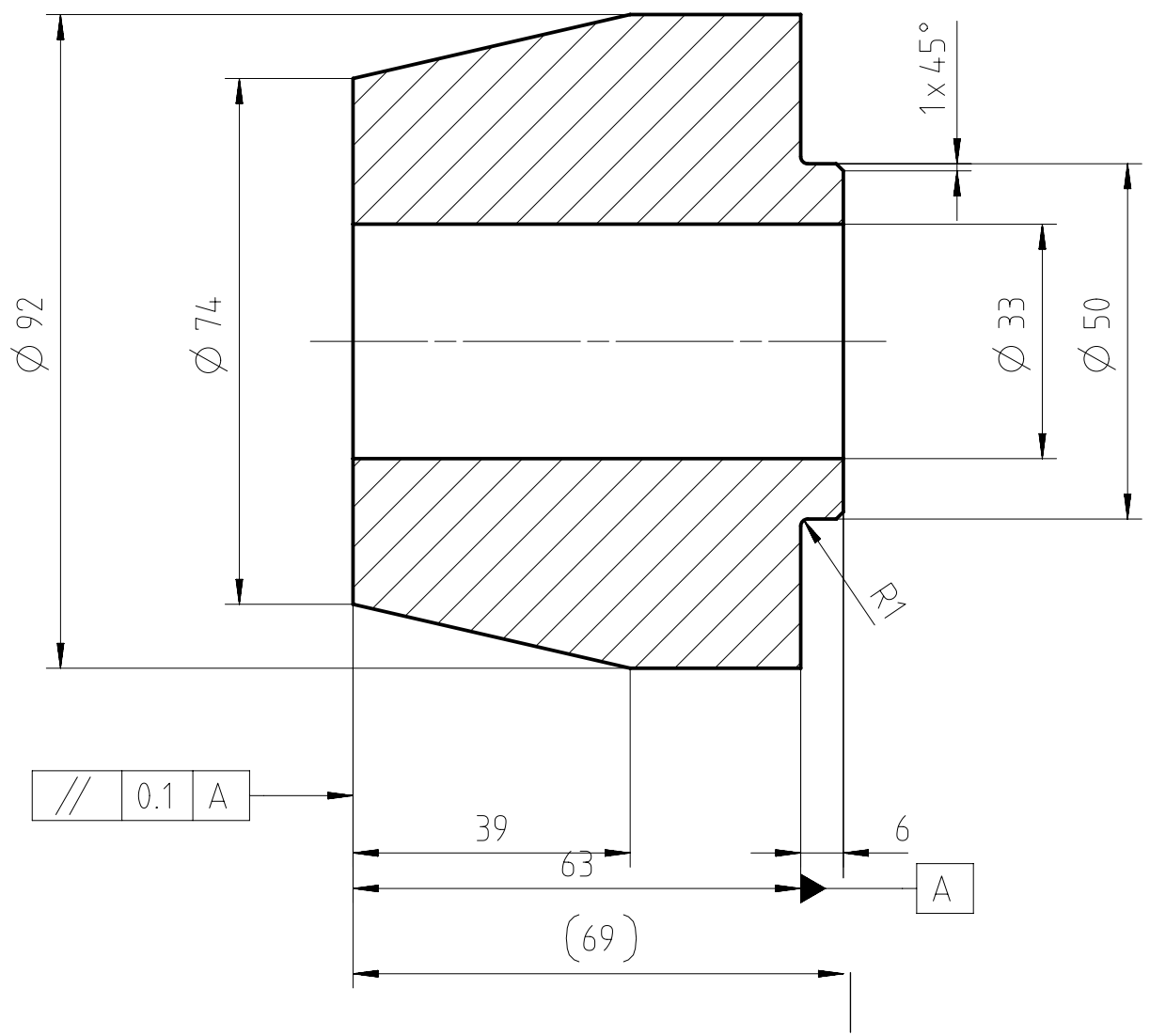
DETAIL A
SCALE 2:1



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

Prod.	W - 2S									
Change History	A	ara101	mhu019	22.02.2024	CNAA005102	Drawing updated			4	3
	-	dki021	mhu019	29.04.2021	EAAD787466	-			-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis			Approved	Activity Code
		SLEEVE								
Scale 1:1				NX		Dimension				
Units [mm] [kg]		Basic Material		W-FA-34CrMo-QT		Net Weight		6.800		
Main Design		Design Group		9710		Q-Code		X X M		
Qty per		A3		Item ID		PAAD380992		Standard		WDS
						Drawing Page/s		1/1		

SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mk



$\sqrt{0.1 A}$

39
63
(69)

6
A

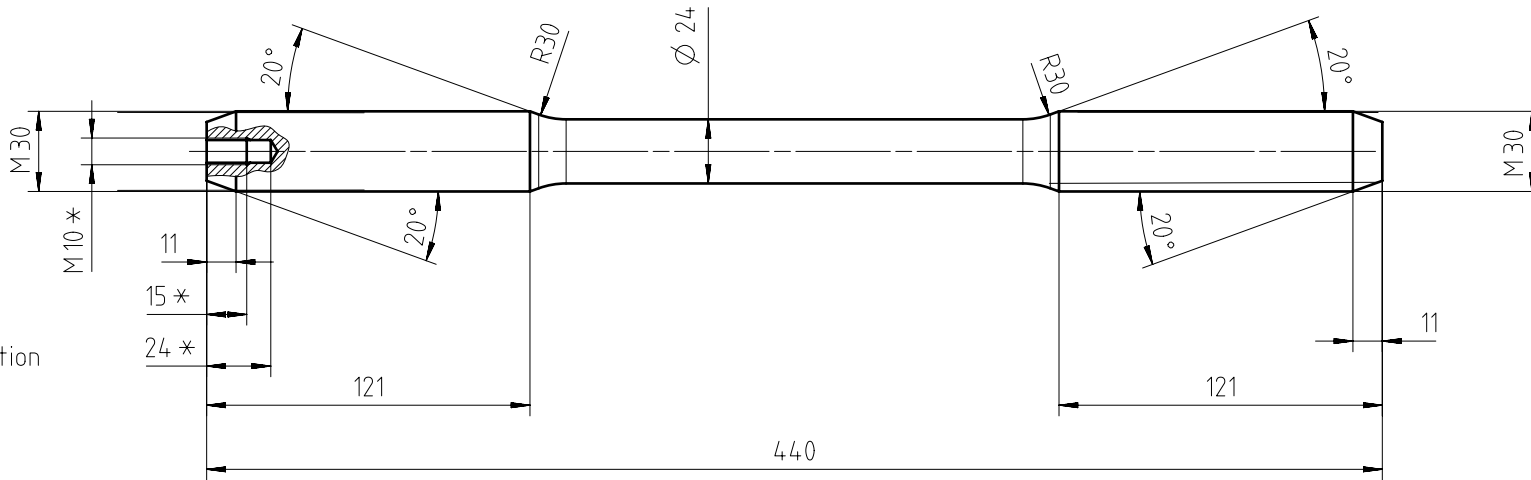
SHARP EDGES REMOVED $0.2 \times 45^\circ$ $\sqrt{Ra6,3}$

Free space for lic.		Q-Code XXXXXX		Main Drw.	
Standard ISO; JIS					
Modif.	Number	Drawn date	Number	Drawn date	Number
Modif.	Number	Drawn date	Modif.	Number	Drawn date
		Product W-2S		BUSH Buechse	
Units	mm kg	NX	Basic Material W-FU-355-J0		Net Weight 2,6
Made	27.04.2021	dki021 DH.Kim	Scale 1:1	Size A4	Page 1/1
Chkd	29.04.2021	jpi101 Pickup	Design Group 9710	Material ID	PAAD381136
Appd	29.04.2021	mhu019 Hug	Drawing ID	DAAD143314	
			Rev.		-

Copyright Winterthur Gas & Diesel Ltd. All rights reserved.
 By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing 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.

Approved
 DIMENSIONAL DRAWING - Confidential

BOTH THREADS AFTER HEAT TREATMENT 100% ROLLED. PRECUTTING NOT ALLOWED.
TOLERANCE CLASS 6g (SFS-ISO 965/1)



* Optional for installation

$\sqrt{Ra3,2}$

QUENCH HARDENED AND TEMPERED

$R_m = 1000^{+200}_0 \text{ N/mm}^2$

MACHINED BEFORE THREAD ROLLING

YIELD STRENGTH $R_e = \text{min. } 790 \text{ N/mm}^2$

ELONGATION AFTER FRACTURE

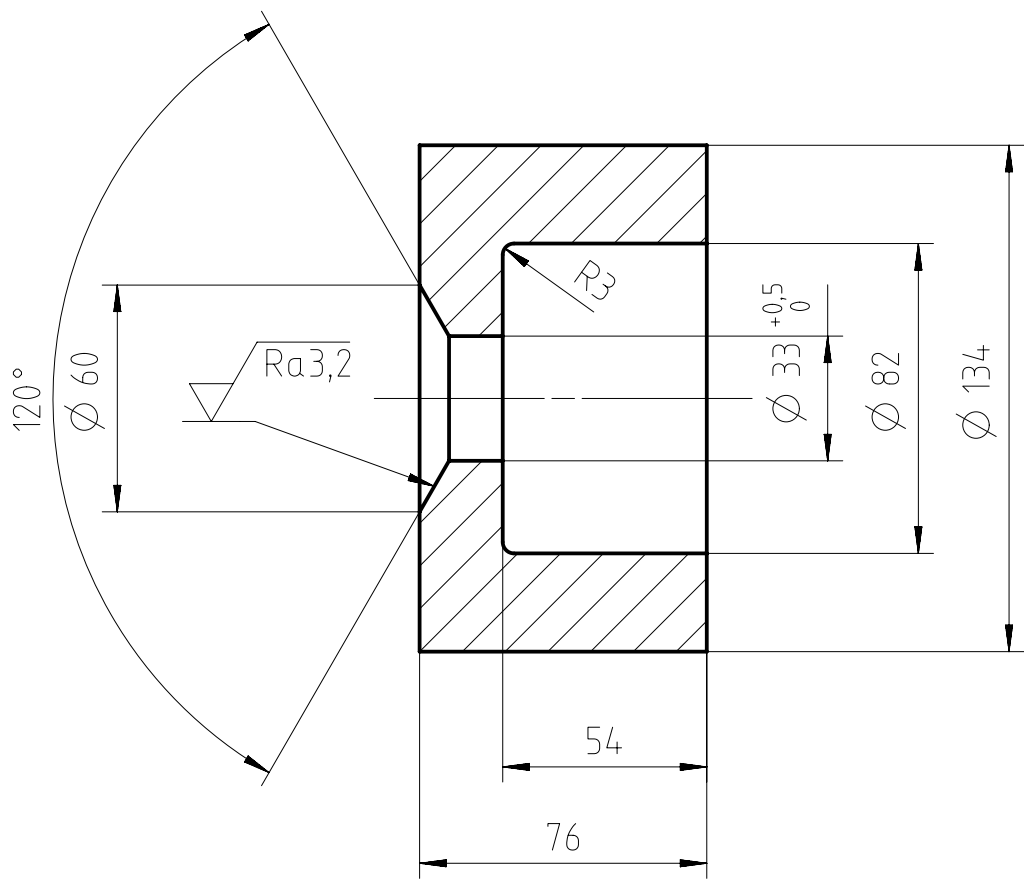
$A(L_0 = 5d_0) = \text{min. } 11\%$

This table specifies documents in accordance with "UR M72 - Certification of Engine Components" (or DIN EN 10204-(2004) 'TYPES OF INSPECTION DOCUMENTS')		
Additional class rules may apply. Please contact the relevant class society to determine actual requirements.		
TEST TYPE:	CERTIFICATE TYPE:	TESTING FREQUENCY:
MATERIAL	MATERIAL IDENTIFICATION	-
CHEMICAL ANALYSIS	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
TENSILE TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
IMPACT TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
HARDNESS TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART
SURFACE CRACK DES. TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART
ULTRASONIC TEST	INSPECTION CERTIFICATE 3.1 (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART

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

1	001	107.427.450.200	MATERIAL AND TEST SPECIFICATION ELASTIC BOLT		107.427.450		0,006
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
Free space for lic.						Q-Code 1QXP1	Main Drw.
Standard						ISO; JIS	
Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
			Product W-2S	ELASTIC BOLT Dehnbolzen			
Units	mm kg	NX		Basic Material	W-FA-42CrMo-QT	Net Weight 2,1	
Made	27.04.2021	dkio21	DH.Kim	Scale	1:2	Size	A3
Chkd	29.04.2021	jpi101 Pickup		Page	1/1	Material ID	PAAD381118
Appd	29.04.2021	mhu019 Hug		Design Group	9710	Drawing ID	DAAD143304
						Rev.	-

Approved
D
E
F
DID - DIMENSIONAL DRAWING - Confidential



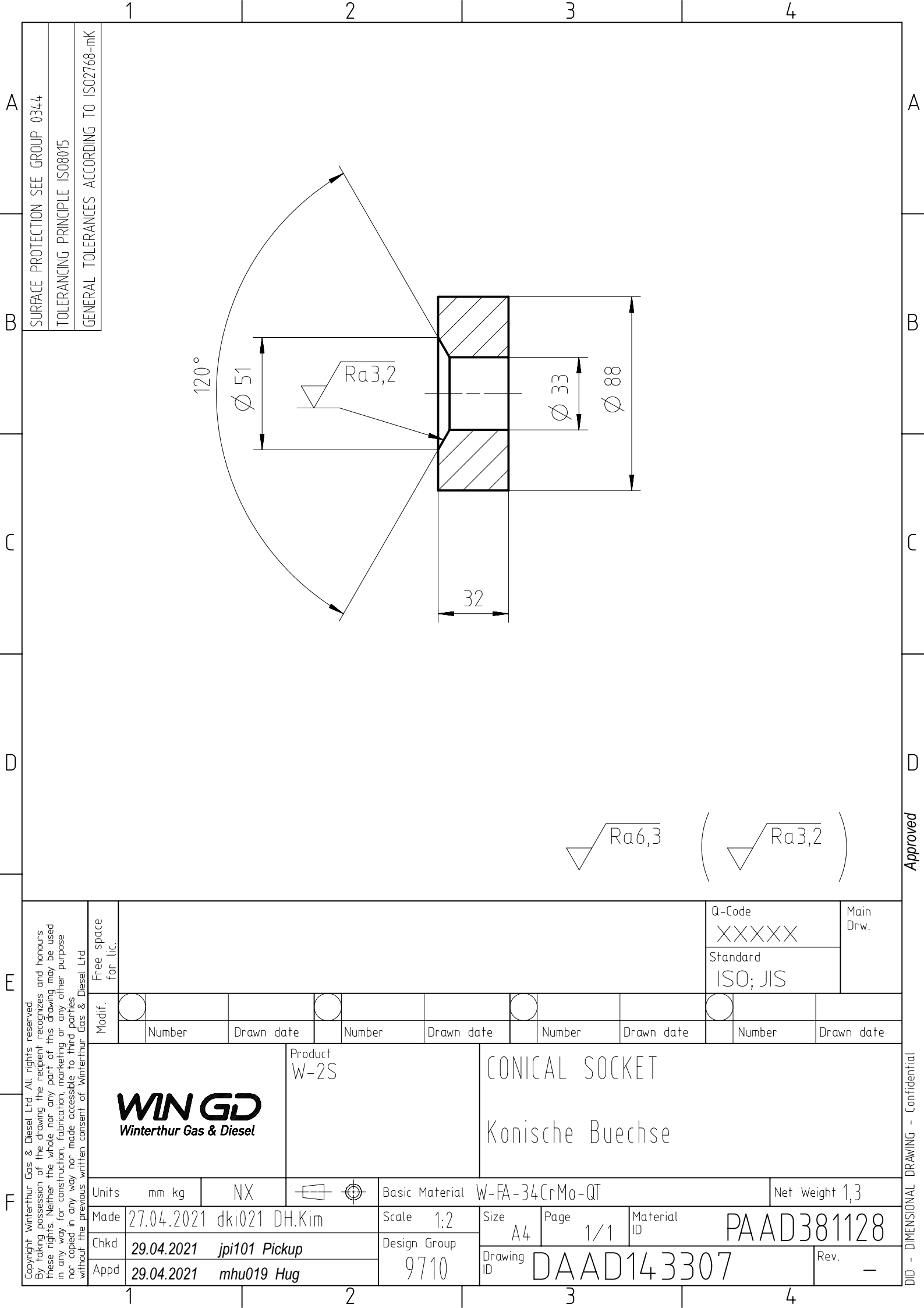
$\sqrt{Ra6,3}$ ($\sqrt{Ra3,2}$)

SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mk

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		CONICAL SOCKET Konische Buechse				
Units	mm kg	NX		Basic Material W-FA-34CrMo-QT		Net Weight 6		
Made	27.04.2021 dki021 DH.Kim		Scale 1:2	Size A4	Page 1/1	Material ID PAAD381113		
Chkd	29.04.2021 jpi101 Pickup		Design Group 9710	Drawing ID DAAD143301		Rev. -		
Appd	29.04.2021 mhu019 Hug							

Approved

DID - DIMENSIONAL DRAWING - Confidential



SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mk

$\sqrt{Ra6,3}$ $\left(\sqrt{Ra3,2} \right)$

Free space for lic.		Q-Code XXXXXX		Main Drw.	
Standard ISO; JIS					
Modif.	Number	Drawn date	Number	Drawn date	Number
Modif.	Number	Drawn date	Modif.	Number	Drawn date
		Product W-2S		CONICAL SOCKET Konische Buechse	
Units	mm kg	NX	Basic Material W-FA-34CrMo-QT		Net Weight 1,3
Made	27.04.2021	dki021	DH.Kim	Scale 1:2	Size A4
Chkd	29.04.2021	jpi101	Pickup	Design Group	Page 1/1
Appd	29.04.2021	mhu019	Hug	9710	Material ID PAAD381128
				Drawing ID DAAD143307	Rev. -

Approved

DID - DIMENSIONAL DRAWING - Confidential

1

2

3

4

A

A

B

B

C

C

D

D

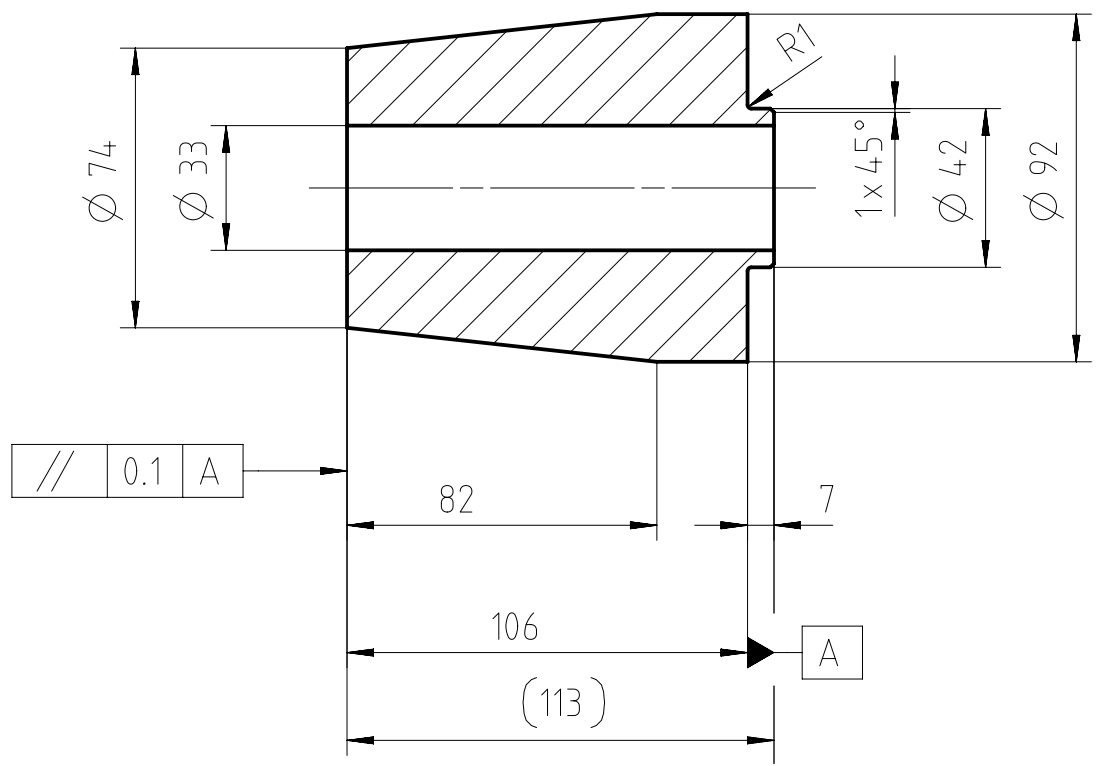
F

F

F

F

SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mk



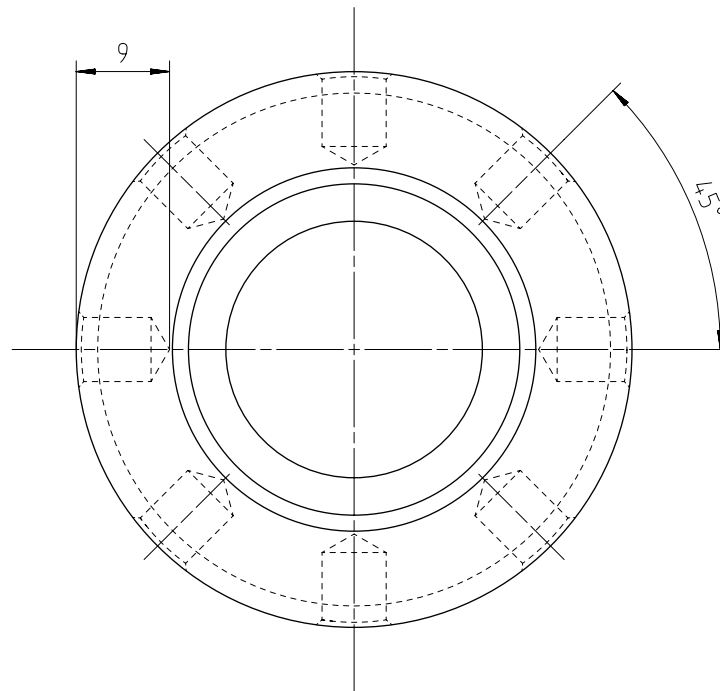
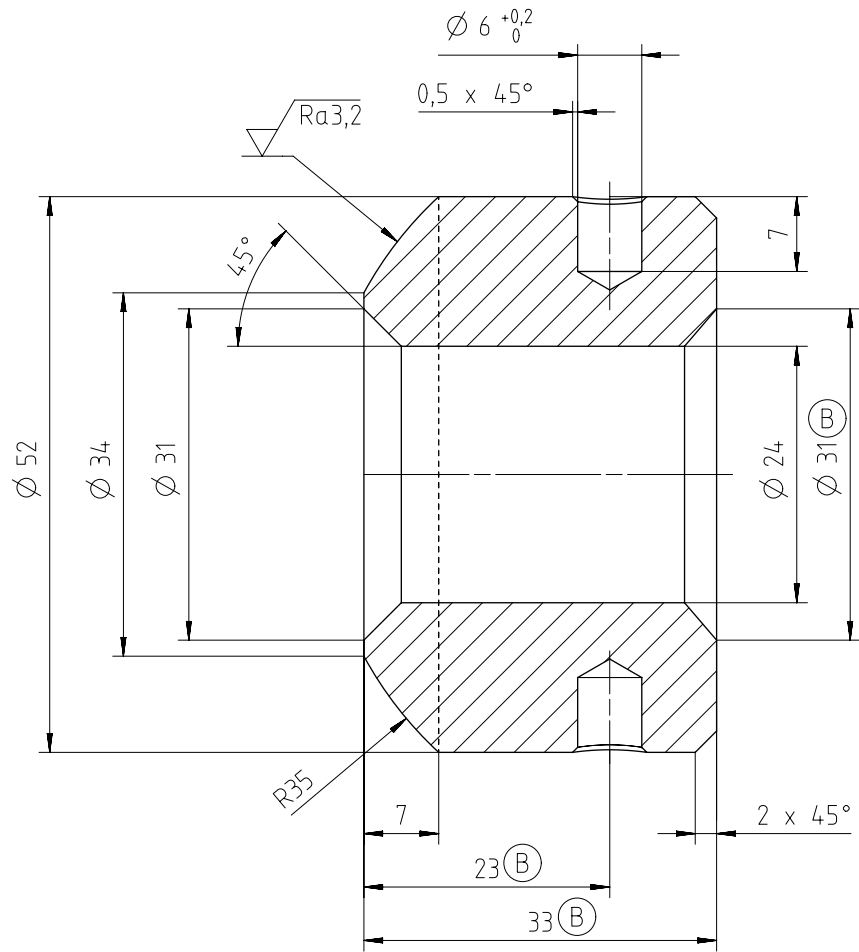
SHARP EDGES REMOVED 0.2x45°

Ra6,3

Free space for lic.		Q-Code XXXXXX		Main Drw.	
Standard ISO; JIS					
Modif.	Number	Drawn date	Number	Drawn date	Number
Modif.	Number	Drawn date	Modif.	Number	Drawn date
		Product W-2S		BUSH Buechse	
Units	mm kg	NX	Basic Material W-FU-355-J0		Net Weight 4,1
Made	27.04.2021	dki021	DH.Kim	Scale 1:2	Size A4 Page 1/1
Chkd	29.04.2021	jpi101	Pickup	Design Group 9710	Material ID PAAD381130
Appd	29.04.2021	mhu019	Hug	Drawing ID DAAD143310	Rev. -

Approved

DID - DIMENSIONAL DRAWING - Confidential



SHARP EDGES TO BE REMOVED 0,2x45°

$\sqrt{Ra6,3}$ ($\sqrt{Ra3,2}$)

+200
 (B) Rm = 900 0 N/mm²
 quench hardened and tempered

Prod.		X52-S2.0 X52DF-A-S1.0	X52DF-M-S1.0 X52DF-S1.0	X52DF-S2.0								
Change History	B	ara101	mhu019	22.02.2024	CNAA005102	Drawing updated			4	3		
	A	sde101	mhu019	24.03.2023	CNAA003448	Drawing update			4	3		
	-	dkl021	mhu019	14.04.2021	EAAD787337	-			-	-		
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis			Approved	Activity Code	E	C
					SPHERICAL ROUND NUT							
Scale 2:1					Dimension							
					Units [mm] [kg]	Basic Material	W-FA-42CrMo-QT	Net Weight	0.376			
SURFACE PROTECTION SEE GROUP 0344 TOLERANCING PRINCIPLE ISO8015 GENERAL TOLERANCES ACCORDING TO ISO2768-mK					Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose not copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.		Main Design Group	9710	Q-Code	X X M	Standard	WDS
					Qty per	A3	Item ID	PAAD379030		Drawing Page/s	1/1	

1

2

3

4

A

B

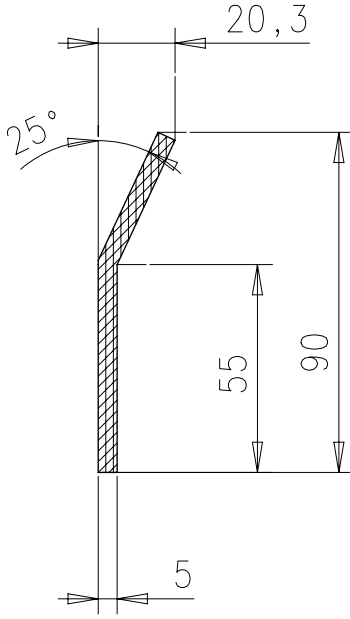
C

D

F

F

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



A

B

C

D

Approved

Copyright Winterthur Gas & Diesel Ltd. All rights reserved.
 By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing 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.

Free space for lic.	Q-Code XXXXXX						Main Drw.			
	Standard ISO; JIS									
Modif.	(A) EAAD082947	03.08.2011	(B) EAAD091567	03.03.2020	(C)	(D)	(E)			
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number			
			Product W-2S		SEALING PIECE Dichtleiste					
Units	mm kg	NX	Basic Material			Net Weight 0,001				
Made	13.02.2006 R. ZUCCHI		Scale	1:1	Size	A4	Page	1/1	Material ID	107.367.119.001
Chkd			Design Group	9710	Drawing ID	107.367.119			Rev.	B
Appd	03.04.2006 SNA001									

PD - PRODUCTION DRAWING - Confidential

1

2

3

4

1

2

3

4

A

A

B

B

C

C

D

D

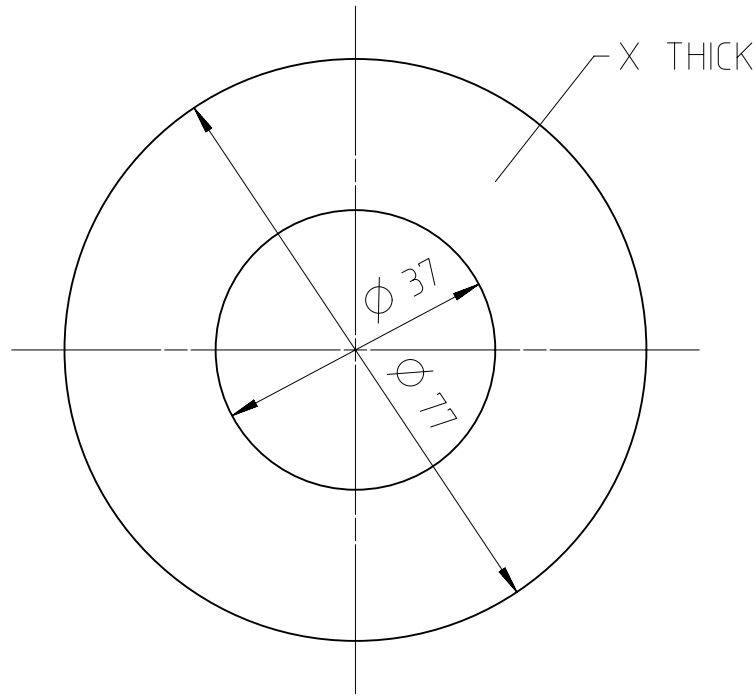
E

E

F

F

SURFACE PROTECTION SEE GROUP 03/44
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mK



X = determined during assembly

Prod.	W - 2S								
-------	--------	--	--	--	--	--	--	--	--

Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
-	ara101	mhu019	22.02.2024	CNAA005102	new Design			-	-



JOINT DISC

Scale 1:1			NX	Dimension					
Scale	1:1				NX	Units [mm] [kg]	Basic Material	Net Weight	0.000
Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing 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.		Main Design		Design Group		9710	Q-Code X X M	Standard	WDS
Qty per		A4		Item ID		PTAA086389		Drawing Page/s	1/1

1

2

3

4

1

2

3

4

A

A

B

B

C

C

D

D

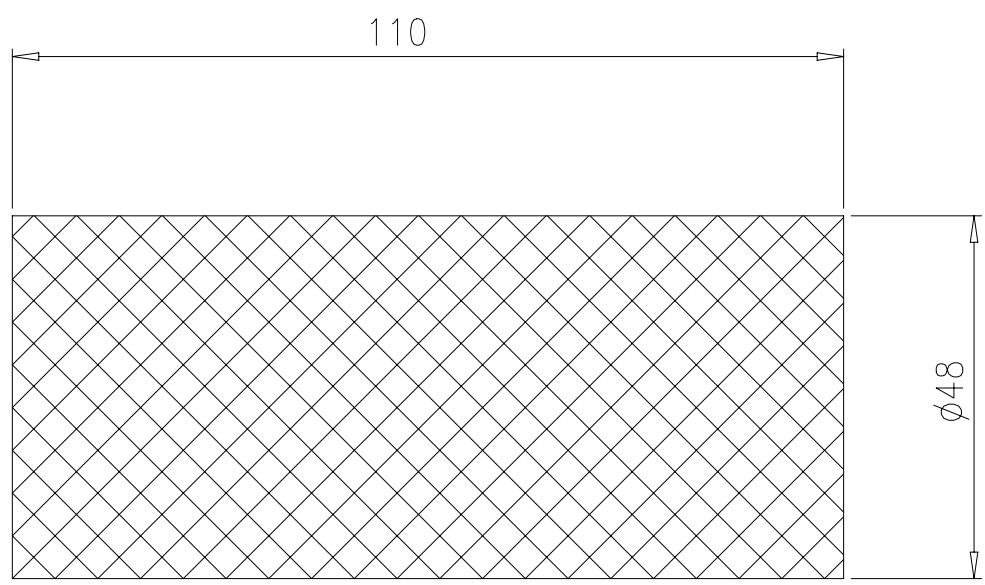
F

F

F

F

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

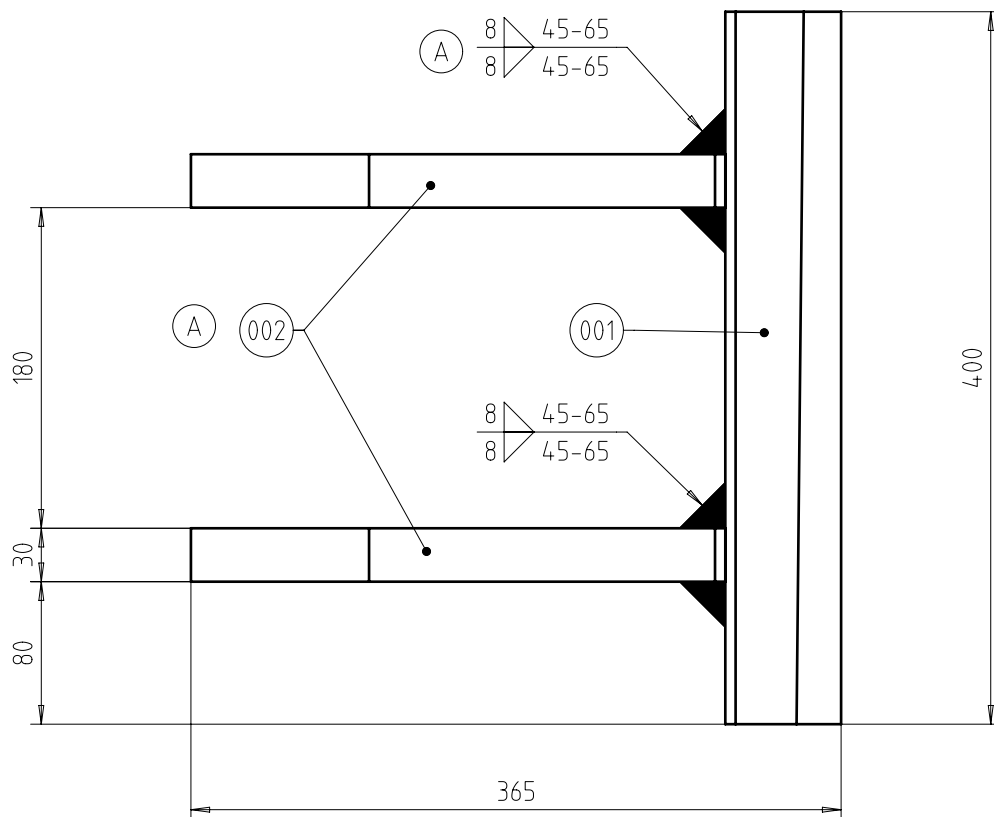
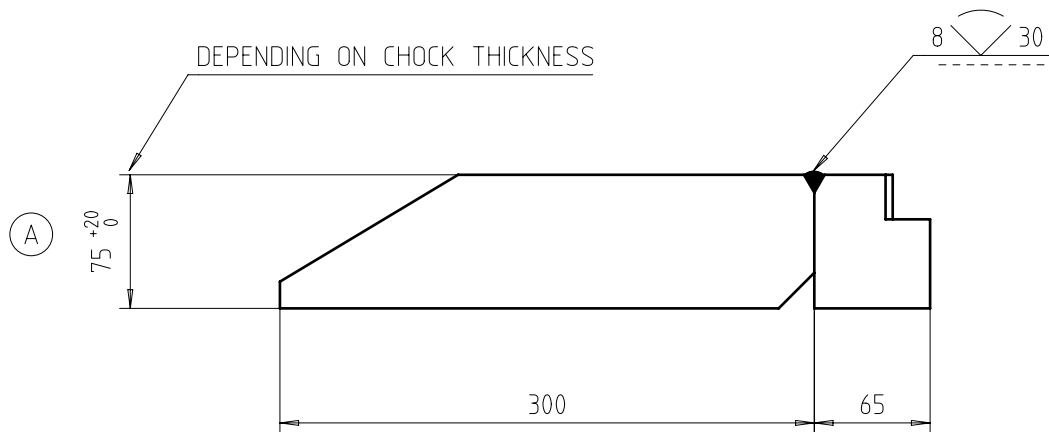


*) Material according to shipyard experience

Free space for lic.	Q-Code						Main Drw.	
	XXXXXX							
Standard						ISO; JIS		
Modif.	EAAD091567	23.11.2019						
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
 WIN GD Winterthur Gas & Diesel			Product W-2S		PLUG			
Units	mm kg	NX	Basic Material *)				Net Weight 0,001	
Made	22.11.2010 S. Feuerstein		Scale	1:1	Size	A4	Page	1/1
Chkd	19.01.2011 wwr001 Wroblewski		Design Group		Drawing ID	DAAD011552	Material ID	PAAD024777
Appd	19.01.2011 dst009 Strödecke		9710					

Approved

PD - PRODUCTION DRAWING - Confidential

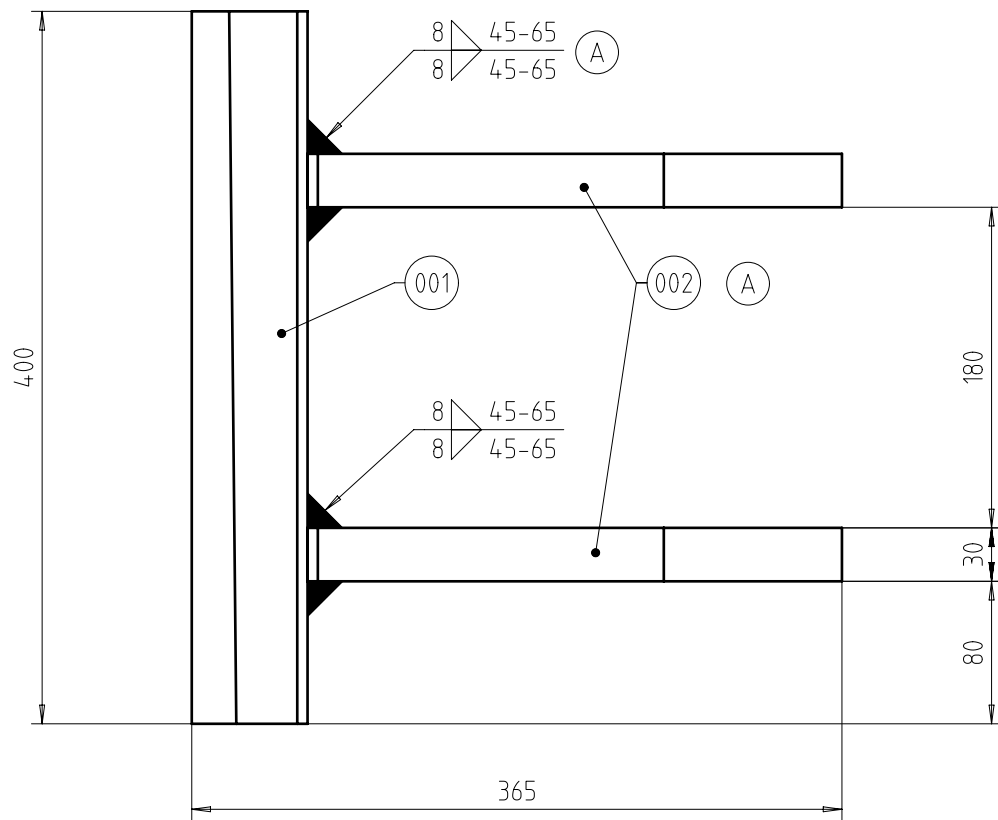
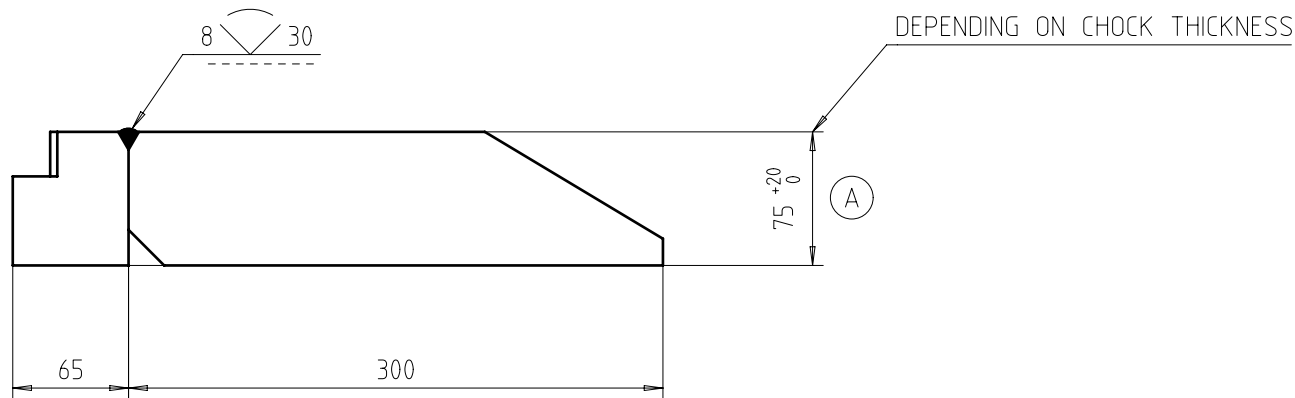


WELD QUALITY LEVEL D (SEE 4-107.345.444)

QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
2	002	107.402.024.001	FLAT BAR	30xhx300	107.402.024	W-FU-235-JR	4,6
1	001	107.402.023.001	FLAT BAR	65xhx400	107.402.023	S235JR;STKM 12A	14,8
Free space for lic.						Q-Code XXXXXX Standard ISO; JIS	Main Drw.
Modif.	A	EAAD089996	23.10.2018				
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
			Product W-2S	ENGINE SIDE STOPPER WELDED TYPE, FUEL SIDE Motor-Seitenstopper Geschweisst, Brennstoffseite			
Units	mm kg	NX	Basic Material			Net Weight 24	
Made	08.12.2015	Kashyap Patel	Scale	1:3	Size	A3	Page
Chkd	23.12.2015	mhu019 Hug	Design Group	9710		Material ID	PAAD214749
Appd	23.12.2015	bha009 Haag	Drawing ID	DAAD073571		Rev.	A

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

UID - DIMENSIONAL DRAWING - Confidential



WELD QUALITY LEVEL D (SEE 4-107.345.444)

2	002	107.402.024.001	FLAT BAR	30xhx300	107.402.024	W-FU-235-JR	4,6
1	001	107.402.023.002	FLAT BAR	65xhx400	107.402.023	S235JR;STKM 12A	14,8
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
Free space for lic.						Q-Code XXXXXX	Main Drw.
						Standard ISO; JIS	

Modif.	A	EAAD089996	23.10.2018						
	Number	Drawn date		Number	Drawn date	Number	Drawn date	Number	Drawn date
		Product W-2S		ENGINE SIDE STOPPER WELDED TYPE, EXHAUST SIDE Motor-Seitenstopper Geschweisst, Abgasseite					
Units	mm kg	NX	Basic Material				Net Weight 24		
Made	08.12.2015	Kashyap Patel		Scale	1:3	Size	A3	Page	1/1
Chkd	23.12.2015	mhu019 Hug		Design Group	9710	Material ID	PAAD214952		
Appd	23.12.2015	bha009 Haag		Drawing ID	DAAD073629			Rev.	A

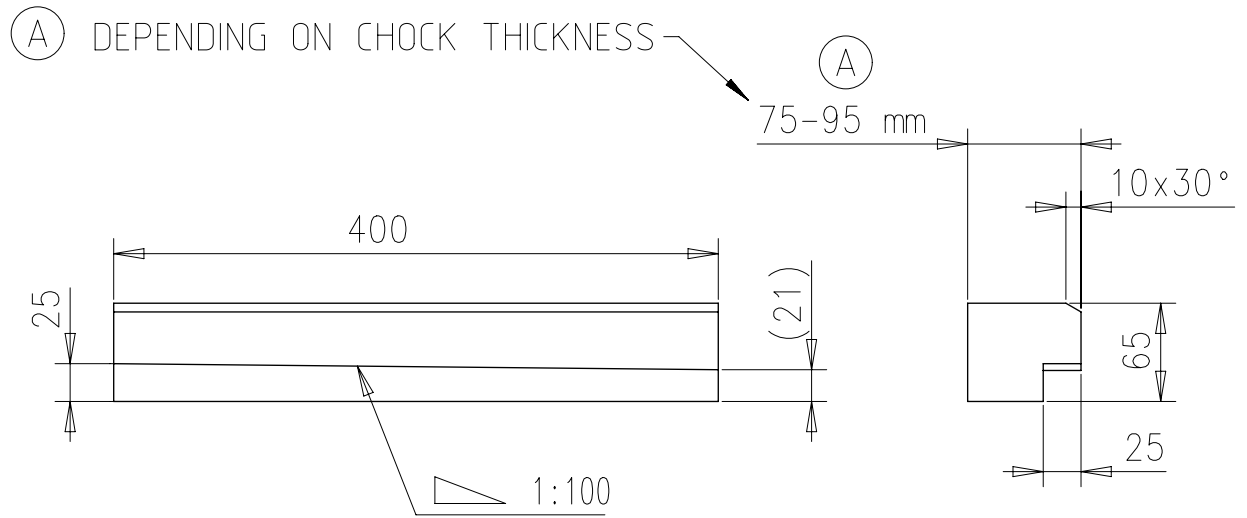
SURFACE PROTECTION SEE GROUP 0344
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mK

UID - DIMENSIONAL DRAWING - Confidential

1 2 3 4

A
B
C
D
E
F

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



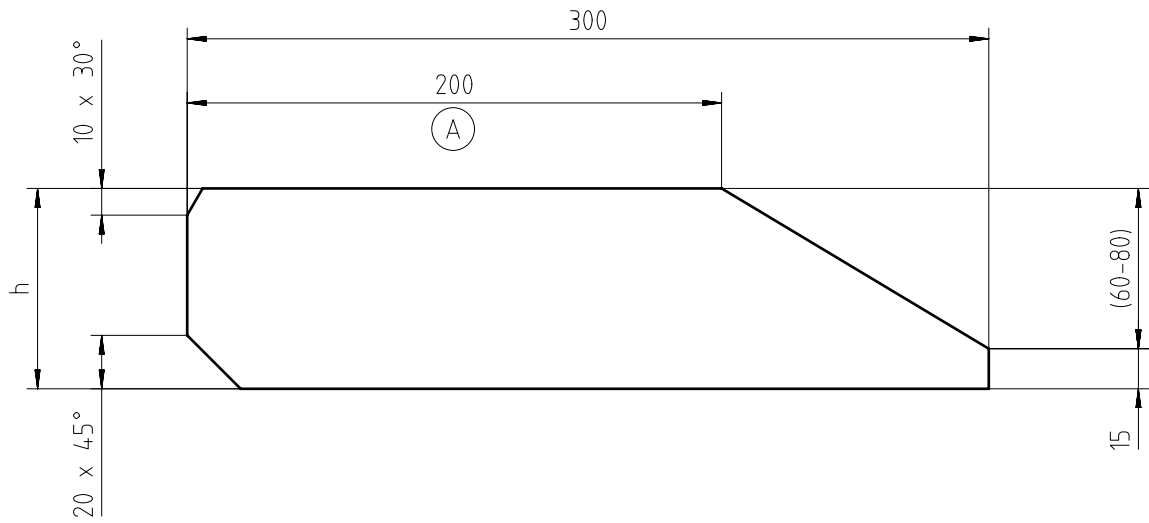
(A) $\sqrt{Ra6,3}$

Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing 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.

Free space for lic.		Q-Code XXXXXX				Main Drw.					
Standard ISO; JIS											
Modif.	(A) EAAD091567	21.11.2019									
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date				
WIN GD Winterthur Gas & Diesel		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl							
Units	mm kg	NX	Basic Material W-FU-235-JR			Net Weight 14,8					
Made	02.07.2008 M.PRSTEC		Scale	1:5	Size	A4	Page	1/1	Material ID	107.402.023.001	
Chkd			Design Group	9710		Drawing ID	107.402.023			Rev.	A
Appd	03.07.2008 MPR002 Prstec										



1 2 3 4

Approved
D
F
DID - DIMENSIONAL DRAWING - Confidential



Ra50 /
 SHARP EDGES REMOVED

h = (75 - 95 mm)
 DEPENDING ON CHOCK THICKNESS,
 TO BE DETERMINED BY SHIPYARD

Free space for lic.	Q-Code XXXXXX							Main Drw.
	Standard ISO; JIS							
Modif.	A	EAAD089996	22.10.2018					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
 WIN GD <i>Winterthur Gas & Diesel</i>		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl				
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 4,6
SURFACE PROTECTION SEE GROUP 0344		Made	02.07.2008 M.PRSTEC		Scale	1:2		Size A3
TOLERANCING PRINCIPLE ISO8015		Chkd			Design Group	Page 1/1		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	03.07.2008 MPR002 Prstec		9710	Material ID 107.402.024.001		Drawing ID 107.402.024
						Rev. A		

UID - DIMENSIONAL DRAWING - Confidential

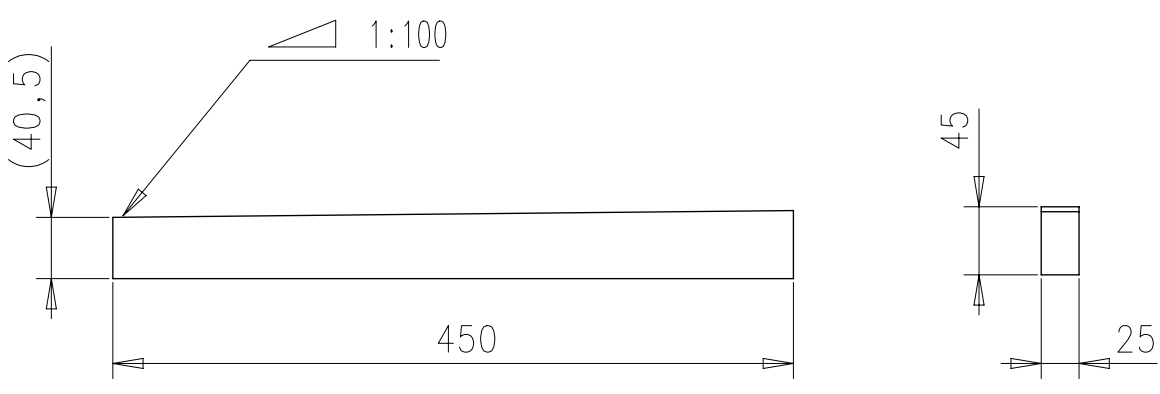
Approved

1 2 3 4

A
B
C
D
E
F

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

(A) Ra6.3 / SHARP EDGES REMOVED



Free space for lic.		Q-Code XXXXXX				Main Drw.	
Standard ISO; JIS							
Modif.	(A)	EAAD088473	17.10.2017				
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
		Product W-2S		WEDGE Schraeger Keil			
Units	mm kg	NX	Basic Material W-FU-235-JR			Net Weight 3,8	
Made	16.01.2002 S.STYLIANOU		Scale	1:5	Size	A4	Page
Chkd			Design Group	9710	Material ID	107.325.275.001	
Appd	31.01.2002 SNA001		Drawing ID	107.325.275			Rev.
						A	

1 2 3 4

Approved
D
F
DID - DIMENSIONAL DRAWING - Confidential

MIDS - ENGINE SEATING and FOUNDATION (DG9710)

WinGD X52/-S2.0/DF-S1.0/DF-A-S1.0/DF-M-S1.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-07-05	DRAWING SET	First web upload
2022-07-05	PAAD381194A	New revision
2022-12-08	PAAD381194B	New revision
2023-03-27	PAAD379030A	New revision
2023-04-04	PTAA056757-	New drawing
2024-04-24	PAAD379030B PAAD380992A PAAD381194C PTAA056757A PTAA086389-	New revisions
2024-05-07	PTAA092786-	New drawing
2024-07-22	PAAD381194D PTAA056757B PTAA092786A	New revisions

DISCLAIMER

© Copyright by Winterthur Gas & Diesel Ltd.

All rights reserved. No part of this document may be reproduced or copied in any form or by any means (electronic, mechanical, graphic, photocopying, recording, taping or other information retrieval systems) without the prior written permission of the copyright owner.

THIS PUBLICATION IS DESIGNED TO PROVIDE AN ACCURATE AND AUTHORITATIVE INFORMATION WITH REGARD TO THE SUBJECT-MATTER COVERED AS 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 CAN NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY FOR ANY EVENTUAL ERRORS OR OMISSIONS IN THIS BOOKLET 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.