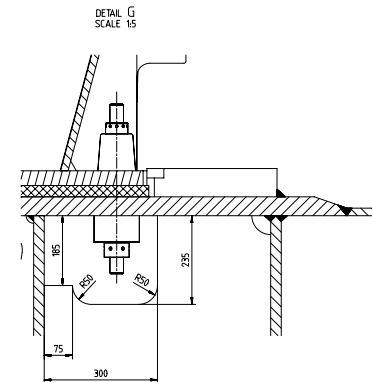
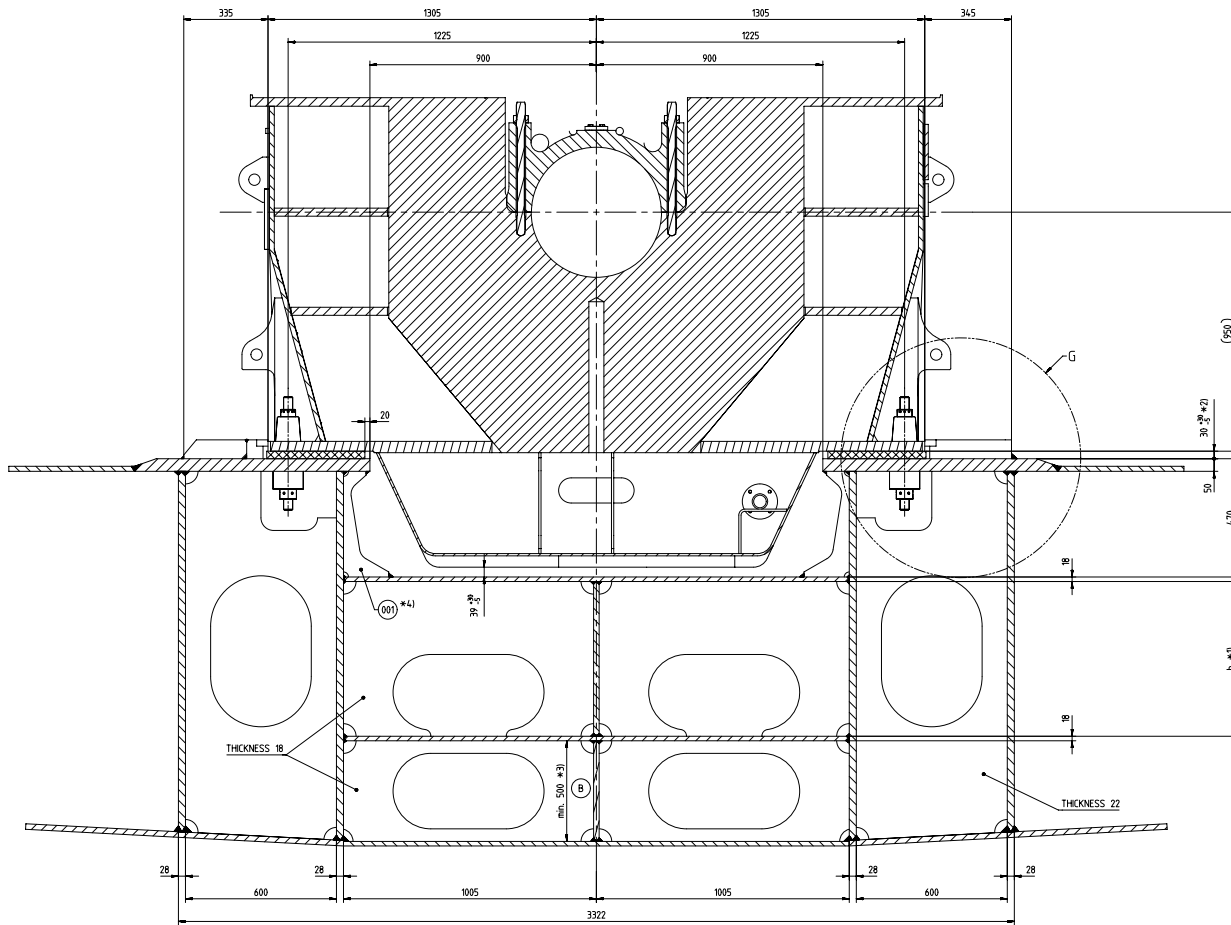


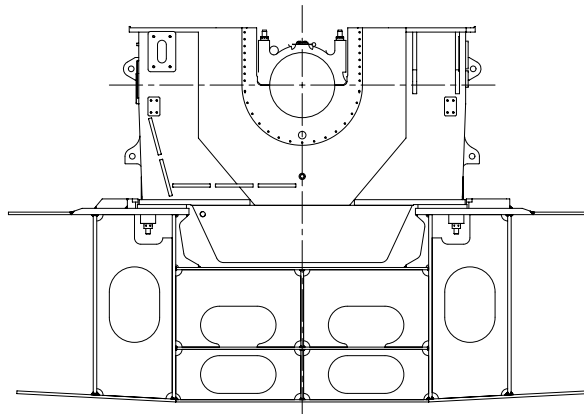
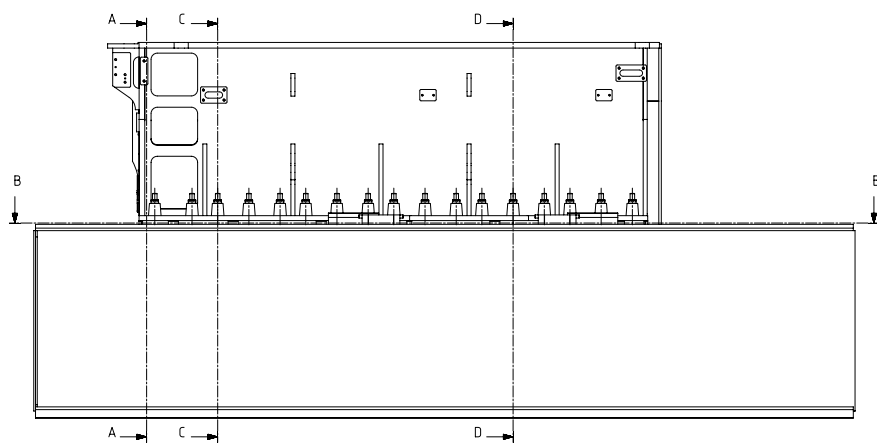
SECTION A-A
SCALE 2:15



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

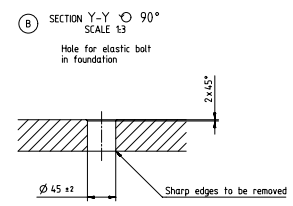
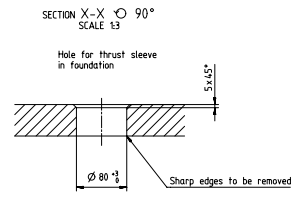
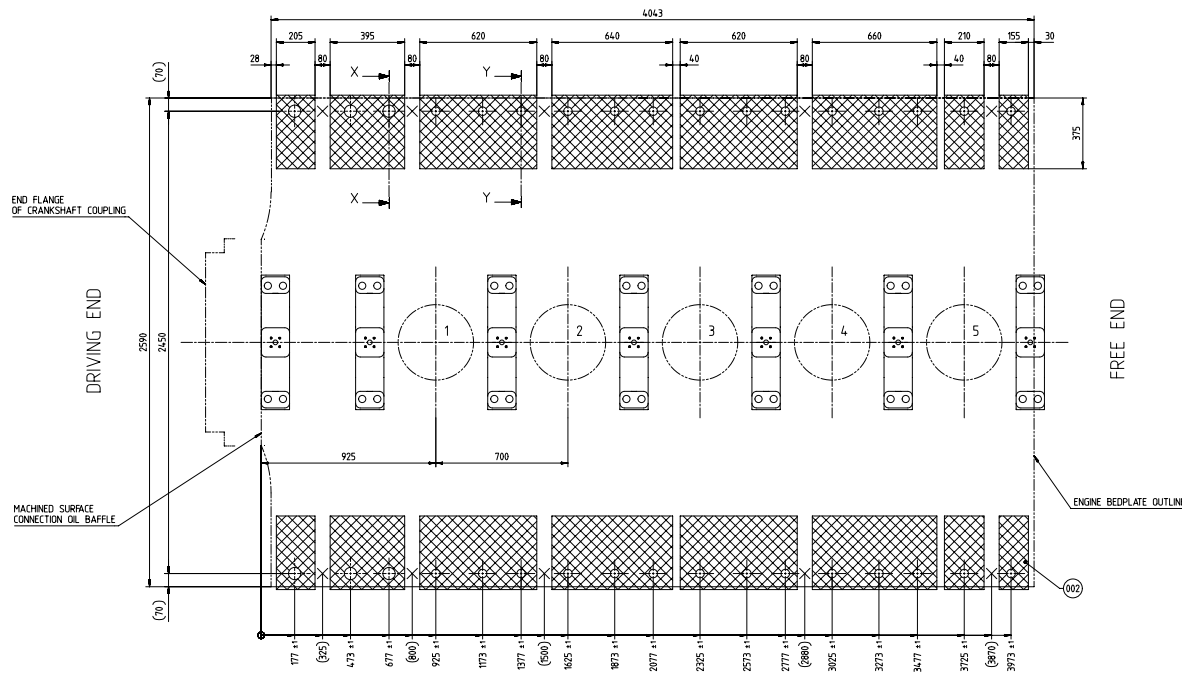
PAAD213857	6 Cyl	Execution with side stopper welded type
PAAD213858	6 Cyl	Execution with side stopper flame-cut type

QTY	NO	DESCRIPTION	UNIT	QTY	NO	DESCRIPTION	UNIT	QTY
1	1	018	FITTING INSTRUCTIONS	1074.12.130	500		0,001	
4	4	017	WEDGE	45x25x350	1074.11.233	5235.R02	3,0	
2	2	016	ENGINE SIDE STOPPER	325xhx300	1074.11.245	5235.R02SS400	27,0	
2	2	015	ENGINE SIDE STOPPER	325xhx300	1074.11.244	5235.R02SS400	27,0	
2	2	014	ENGINE SIDE STOPPER	300hx250	DAAD020531		18,0	
2	2	013	ENGINE SIDE STOPPER	300hx250	DAAD020526		18,0	
28	28	012	PLUG	DAAD018552	Rubber750		0,001	
6	6	011	JOINT DISC	1074.10.829	Rubber750		0,002	
1	1	010	SEALING PIECE	1073.67.119			0,001	
34	34	009	SPHERICAL ROUND NUT	M36	1074.10.789	3IGMA-S2M 4.35	0,85	
28	28	008	BUSH	1074.10.787	3IGMA-S2M 4.35		5,5	
28	28	007	CONICAL SOCKET	1074.10.788	3IGMA-S2M 4.35		5,5	
6	6	006	CONICAL SOCKET	1074.10.786	3IGMA-S2M 4.35		4,8	
34	34	005	ELASTIC BOLT	M36	DAAD020452	3IGMA-S2M 4.35	3,0	
6	6	004	BUSH	DAAD020451	3IGMA-S2M 4.35		6,3	
34	34	003	ROUND NUT	M36	1073.80.159	4IGMA-S2M 4.40	0,36	
1	1	002	EPOXY RESIN	1073.98.394			0,001	
1	1	001	FB	DAAD073278	W-FU-Z35-R		4,0	



WIND ENGINE SEATING FOUNDATION
W5X40-B
W5X40F-1.0

B-B
 (B) CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

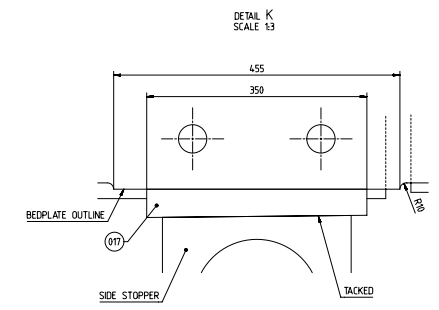
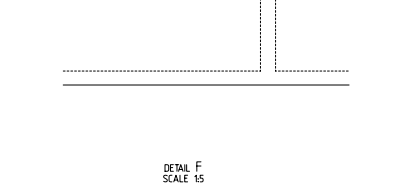
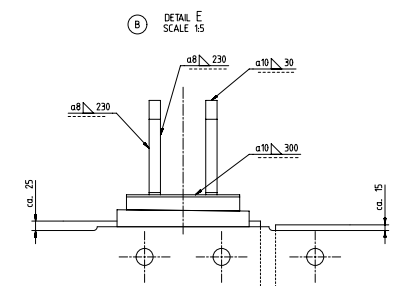
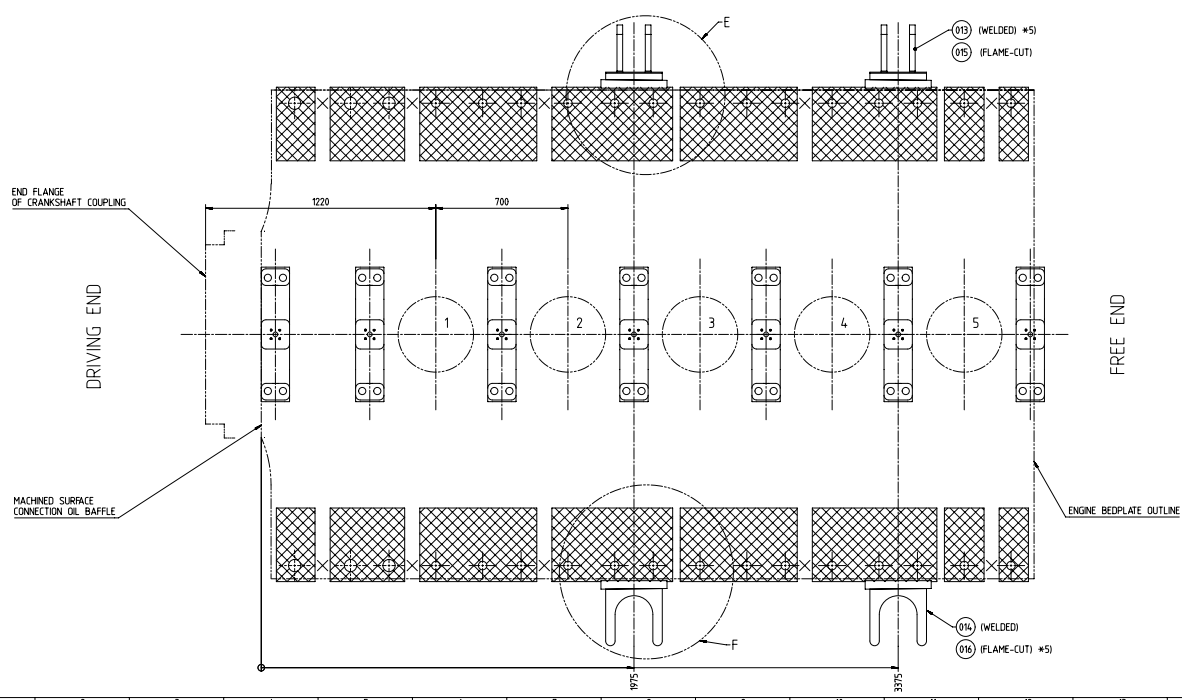


(B) Table: Design values

No. of cylinders	No. of thrust sleeves	Total no. of bolt holes
5	6	34
Proposed dimension of epoxy resin chock #1)		
Chock length per side (mm)	Chocking area (cm ²)	Chock volume requirements #2) (dm ³)
3505	254.77	min.
		max.
		68
		160

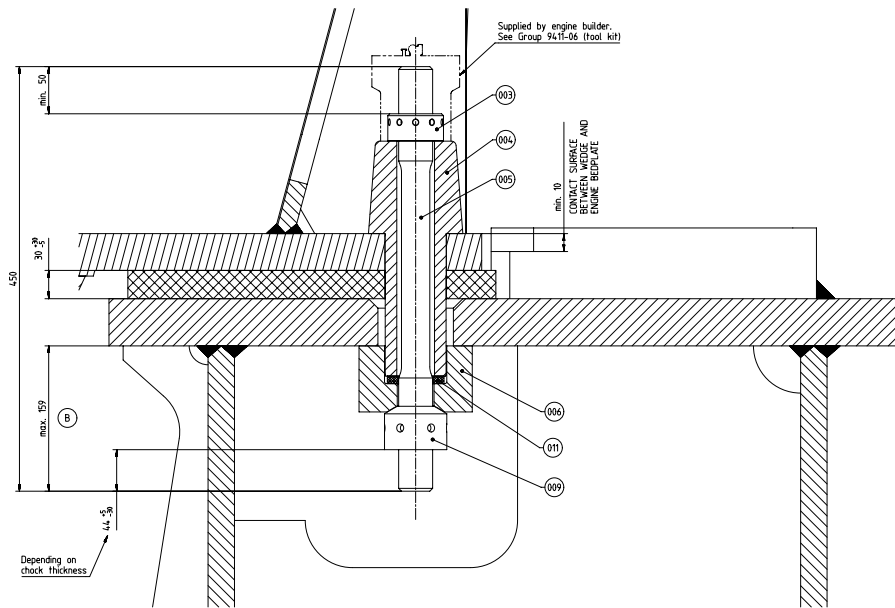
- (B) #1) Proposed dimensions are based on the following assumptions:
 - The maximum permissible mean static pressure is 4.5 N/mm² #3)
 - The dead-weight loading from the engine (incl. net engine mass, vibration damper, flywheel, water and oil results in a mean static pressure below 0.8 N/mm²
 - Engine fastener loading is in line with fully tightened bolts (in accordance with fitting instructions).
 #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) with X marked positions represent jacking screws
 #5) Execution shown on drawing

B-B
 (B) ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE

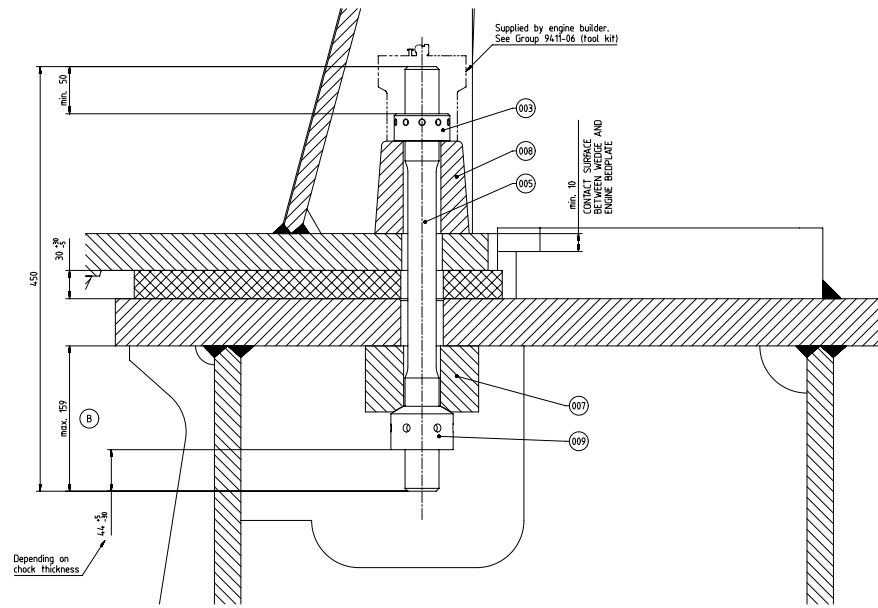


SURNAME PROTECTION SEE GROUP DATA TOLERANCING PROPERTIES SEE GROUP DATA GENERAL TOLERANCES ACCORDING TO ISO 2768-MS		Date: 12.12.2015 Drawn: 07/10/2015 Scale: 1:3 Sheet: 1/3		Design: 07/10/2015 Checked: 07/10/2015 Approved: 07/10/2015	
WIND WSK40-B WSK40DF-1.0		ENGINE SEATING/FOUNDATION		Drawing No.: DAAD073284	

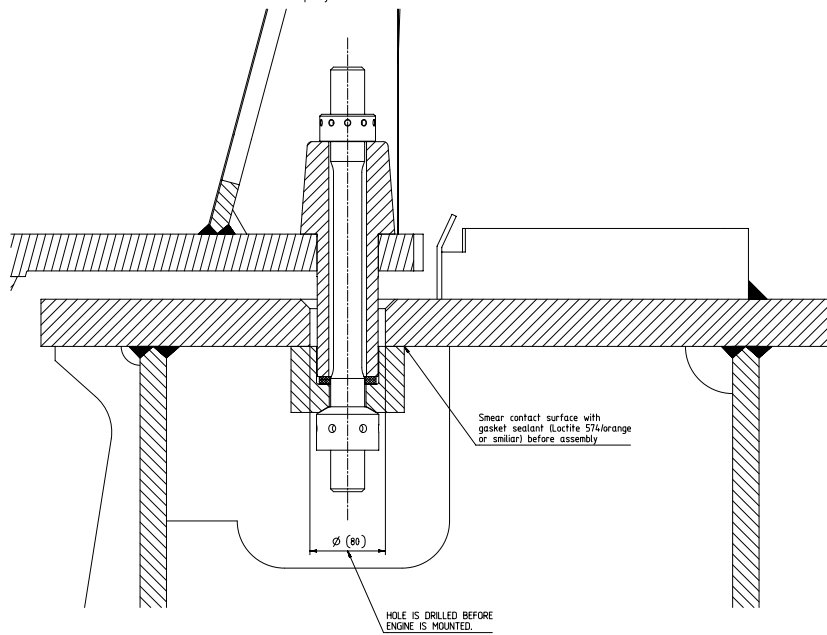
C-C
Arrangement after pouring
the epoxy resin chock



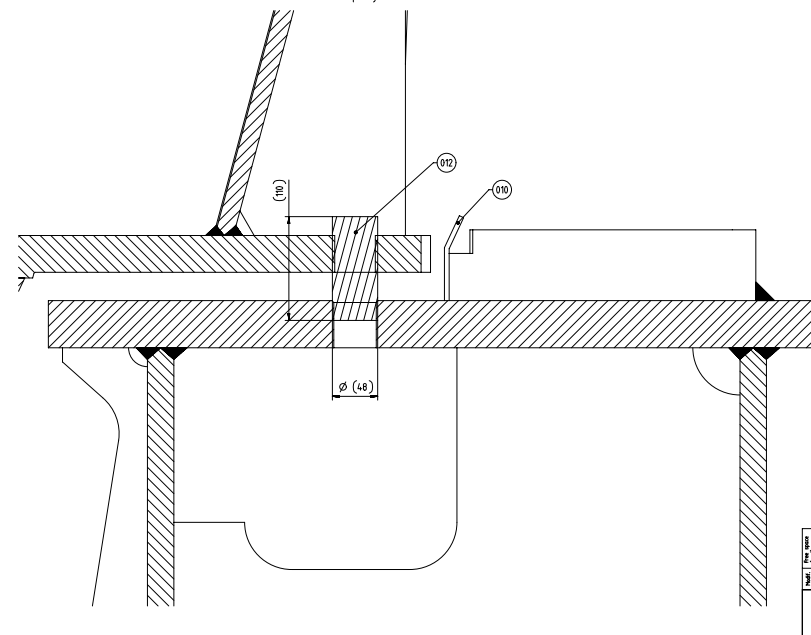
D-D
Arrangement after pouring
the epoxy resin chock



C-C
Arrangement before pouring
the epoxy resin chock



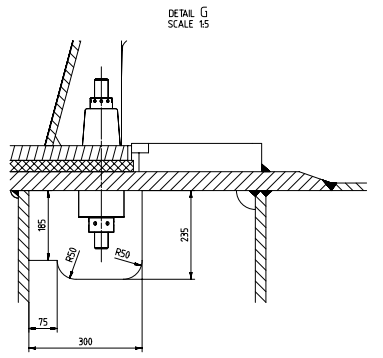
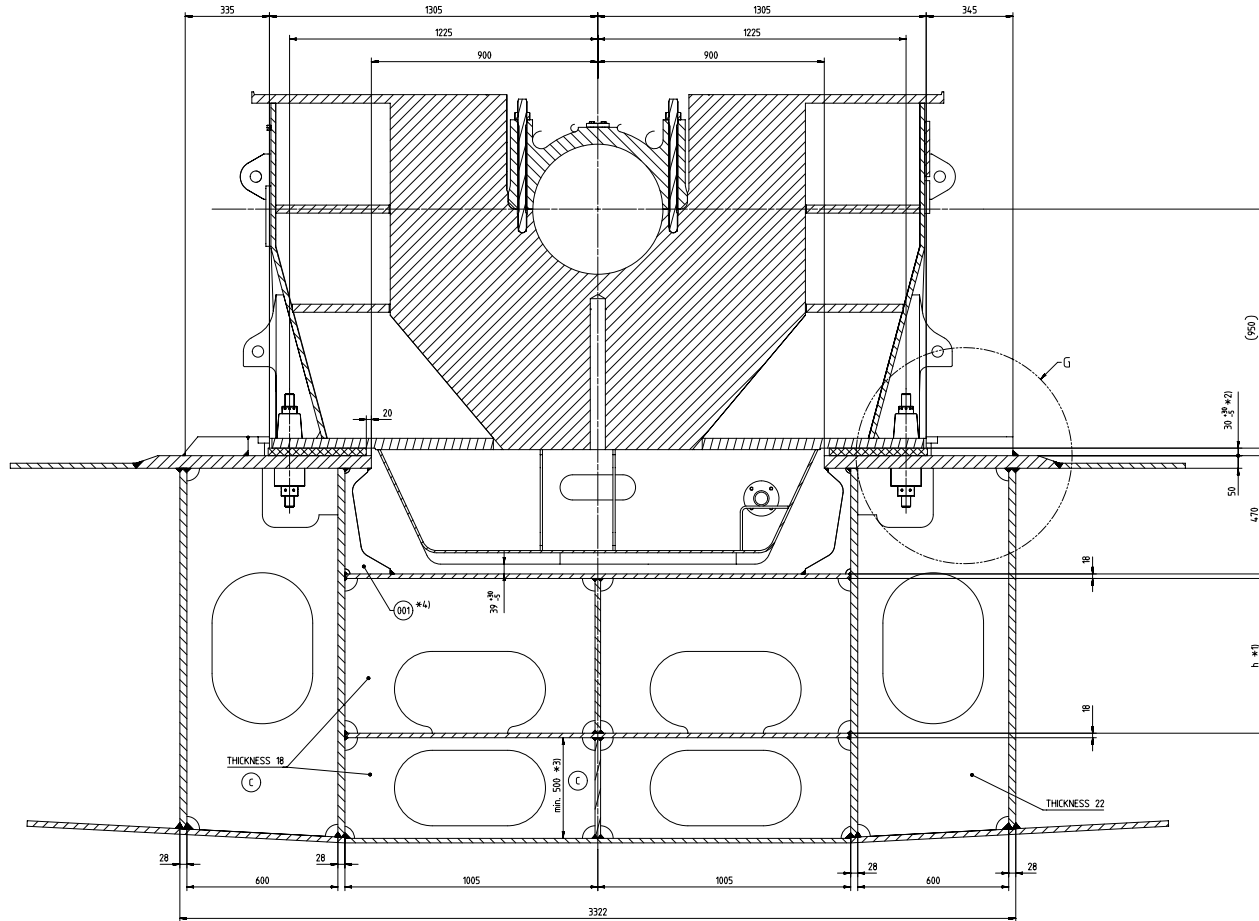
D-D
Arrangement before pouring
the epoxy resin chock



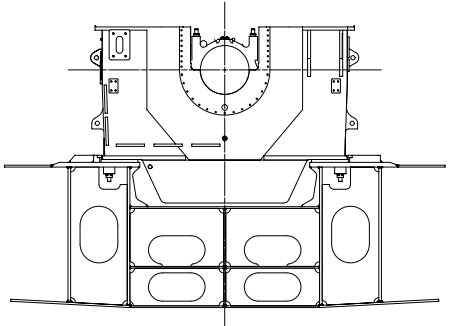
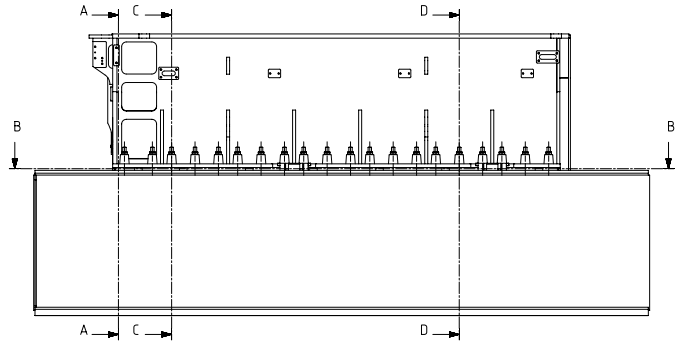
S-Case XXXXXX Standard ISO/JIS H		S-Case XXXXXX Standard ISO/JIS H	
Number	Drawn date	Number	Drawn date
0		0	
WNSD Member No 8 1888		ENGINE SEATING FOUNDATION	
W5X40-B W5X40CF-10		0	

DATE	01.12.2015	REV	04/021 (R) Kin	Scale	1:2	Sheet	1/3
DESIGNER	mls079 Hsg	DATE	17.12.2015	DESIGN GROUP	9710	PROJECT	DAAD073284
GENERAL TOLERANCES ACCORDING TO ISO 2768-MS				DATE			
Copyright Vector Inc & Steel Ltd. All rights reserved. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without the prior written consent of Vector Inc & Steel Ltd.				REV			

SECTION A-A
SCALE 2:15



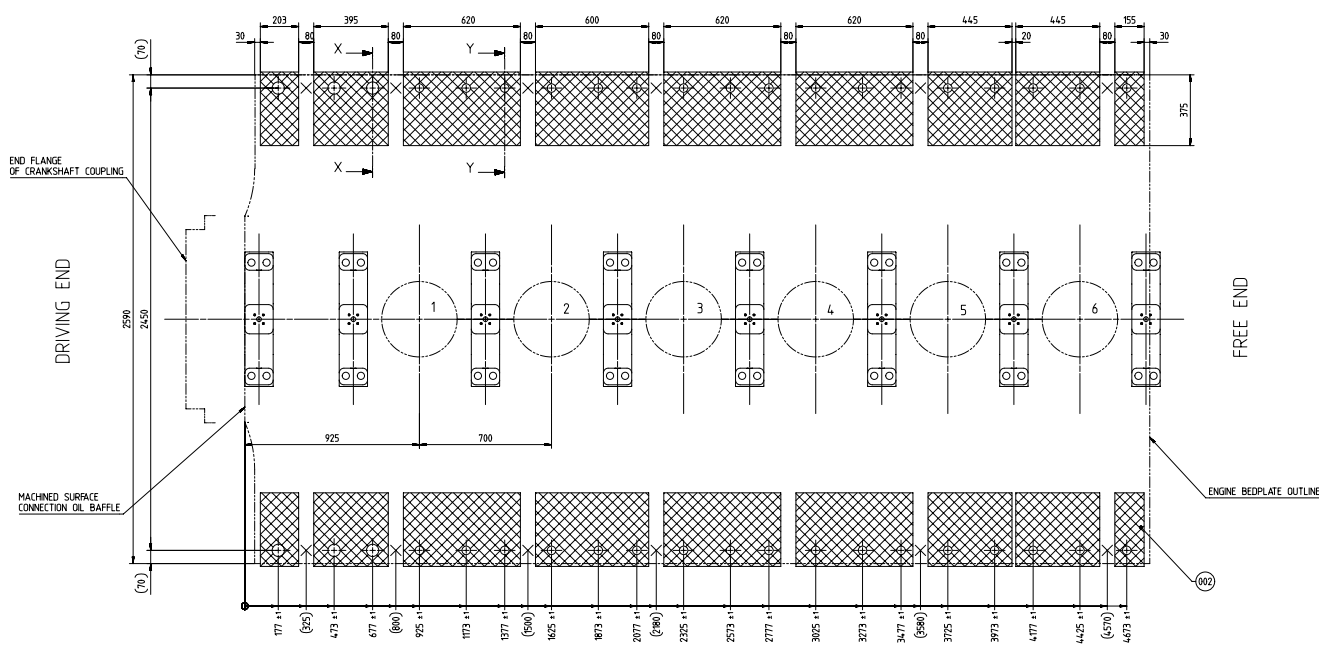
- Remarks:
- *1) HEIGHT TO BE DETERMINED BY SHIPYARD, FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722
 - *2) CHOCK THICKNESS $30^{+0.5}_{-5}$ mm
 - FINAL CHOCK THICKNESS TO BE DETERMINED BY SHIPYARD
 - *3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES
 - *4) QUANTITY DEPENDING ON SHIPYARD DESIGN



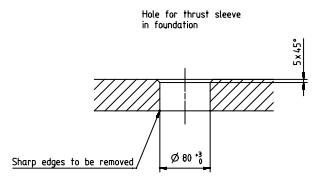
ITEM	QTY	DESCRIPTION	REF	UNIT	WEIGHT	
1	1	018	1074.12.130.500	FITTING INSTRUCTIONS	1074.12.130	0,001
4	4	017	1074.11.233.001	WEDGE	45x25x350	3,0
2	2	016	1074.11.245.001	ENGINE SIDE STOPPER	325xhx300	27,0
2	2	015	1074.11.244.001	ENGINE SIDE STOPPER	325xhx300	27,0
2	2	014	1074.11.244.001	ENGINE SIDE STOPPER	325xhx300	27,0
2	2	014	1074.11.244.001	ENGINE SIDE STOPPER	325xhx300	27,0
2	2	013	1074.11.244.001	ENGINE SIDE STOPPER	325xhx300	27,0
34	34	012	1074.10.829.001	PLUG	30xhx250	18,0
6	6	011	1074.10.829.001	JOINT DISC	30xhx250	18,0
1	1	010	1073.67.119.001	SEALING PIECE	30xhx250	0,001
40	40	009	1074.10.789.001	SPHERICAL ROUND NUT	M36	0,85
34	34	008	1074.10.787.001	BUSH	M36	5,5
34	34	007	1074.10.788.001	CONICAL SOCKET	M36	5,5
6	6	006	1074.10.786.001	CONICAL SOCKET	M36	4,8
40	40	005	1074.10.786.001	ELASTIC BOLT	M36	3,0
6	6	004	1074.10.786.001	BUSH	M36	6,5
40	40	003	1073.80.159.004	ROUND NUT	M36	0,36
1	1	002	1073.98.394.500	EPOXY RESIN	1073.98.394	0,001
1	1	001	1073.98.394.500	RESIN	1073.98.394	4,0

ENGINE SEATING FOUNDATION
W6X40-B
W6X40DF-10

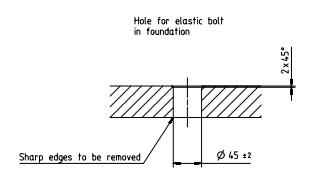
B-B
 (C) CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



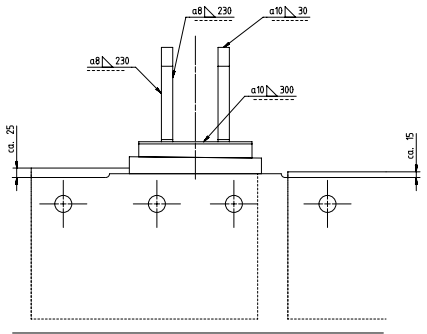
SECTION X-X 90°
 SCALE 1:3



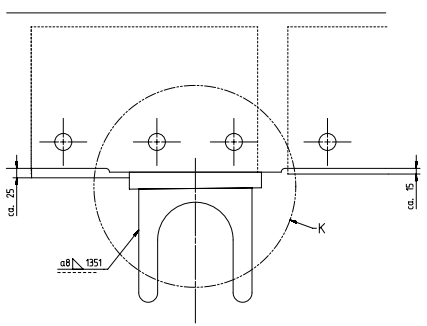
SECTION Y-Y 90°
 SCALE 1:3



DETAIL E
 SCALE 1:5



DETAIL F
 SCALE 1:5

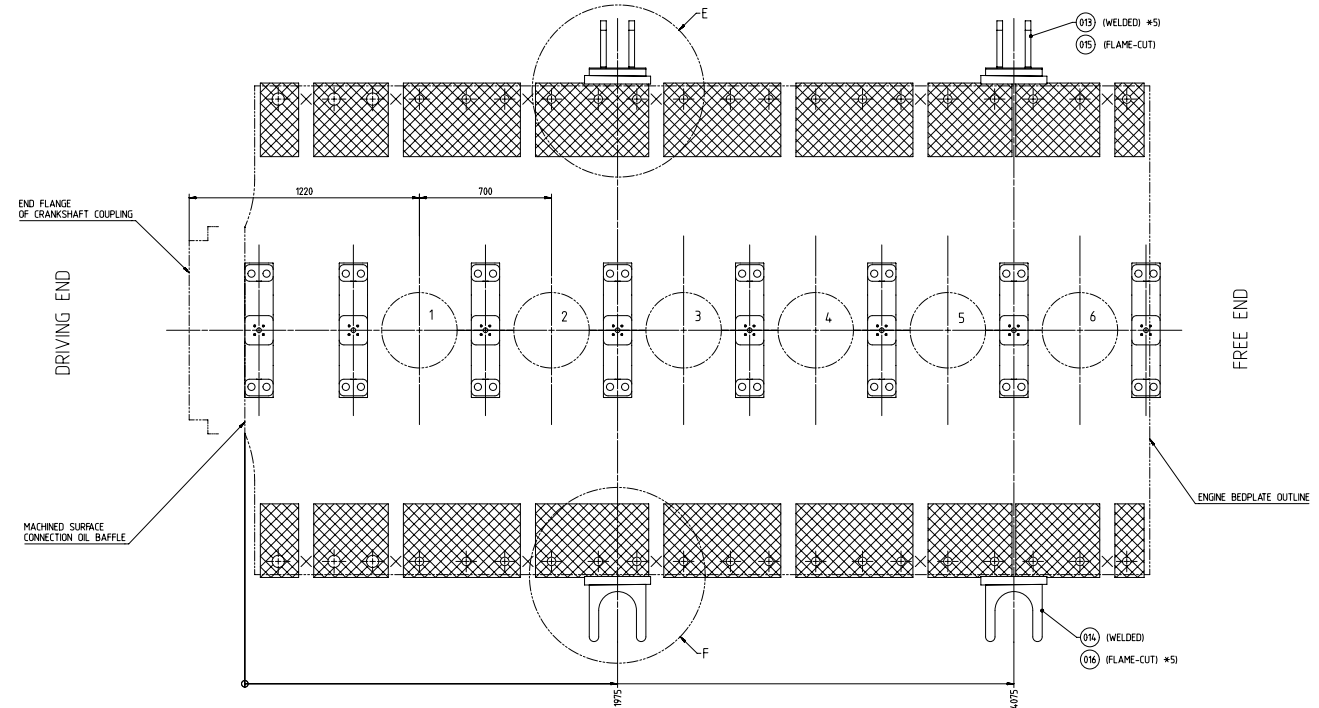


(C) Table: Design values

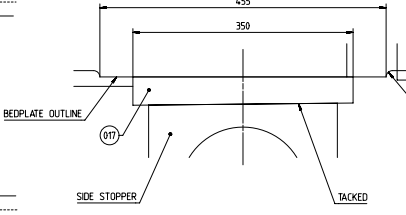
No. of cylinders	No. of thrust sleeves	Total no. of bolt holes
6	6	40
Proposed dimension of epoxy resin chock #1)		
Chock length per side (mm)	Chocking area (cm ²)	Chock volume requirements #2)
		(dm ³)
403	2988	min.
		max.
		79
		201

- (C) #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) with X marked positions represent jacking screws
 #5) Execution shown on drawing

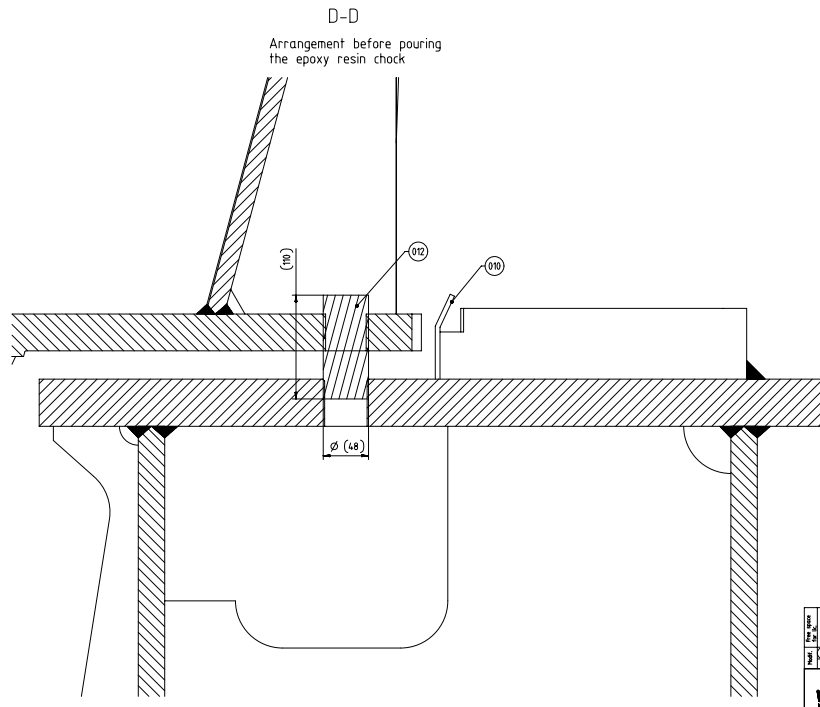
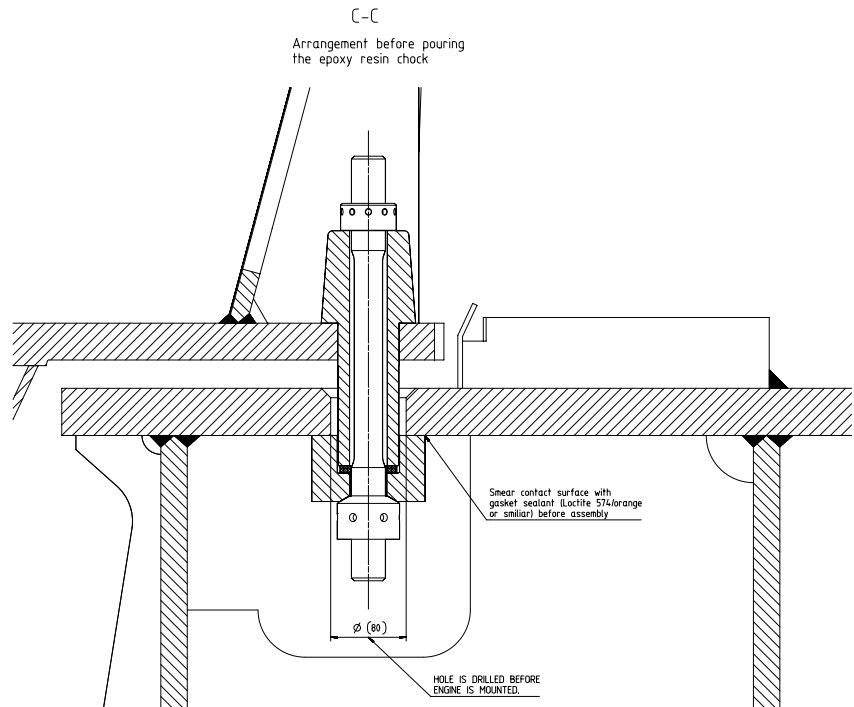
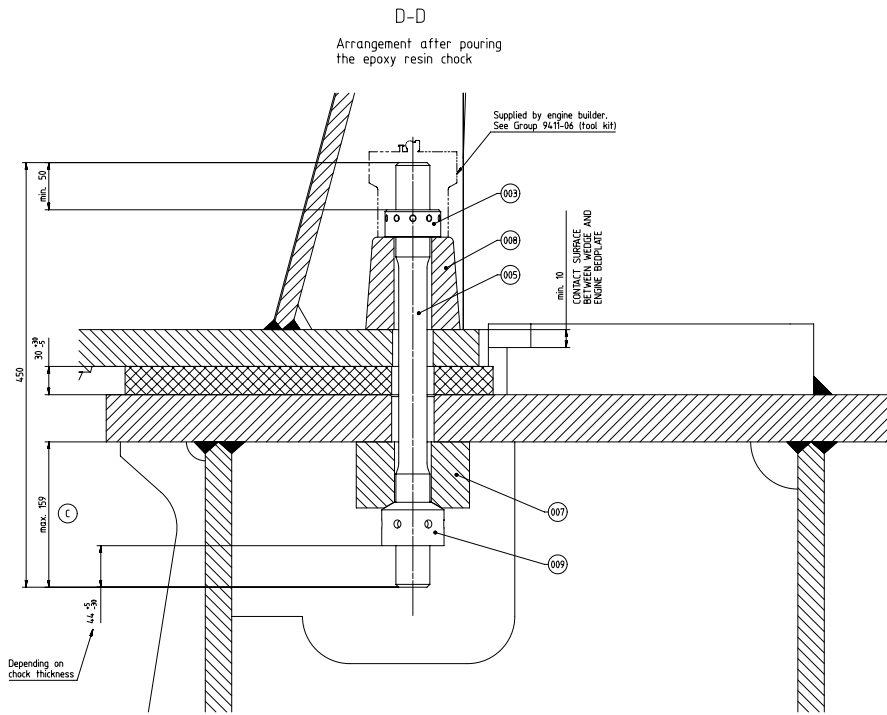
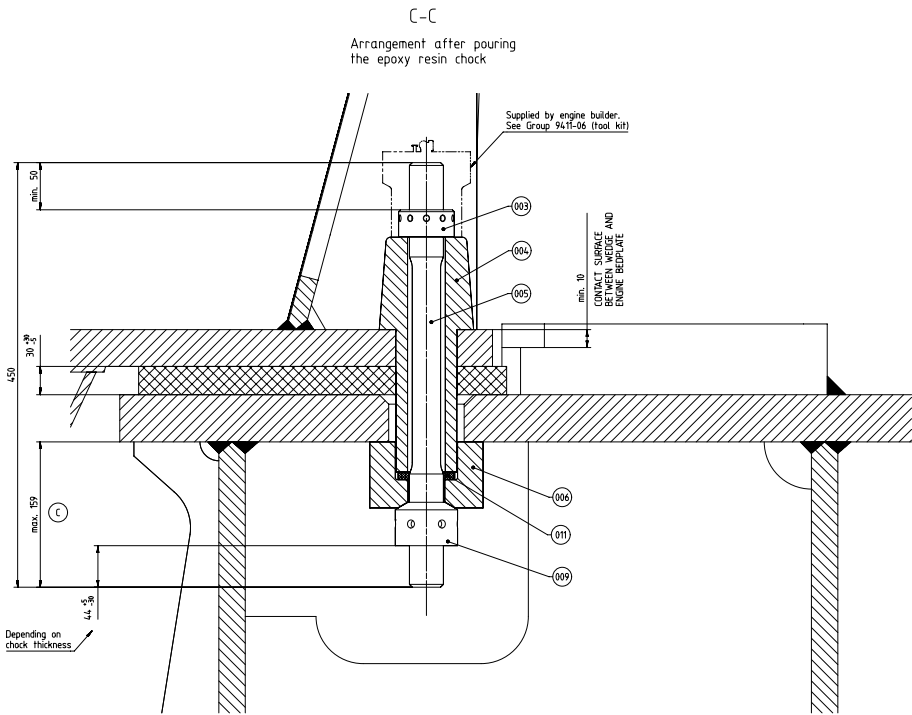
B-B
 ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE



DETAIL K
 SCALE 1:3

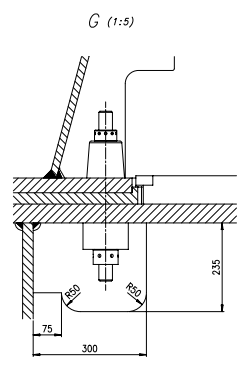
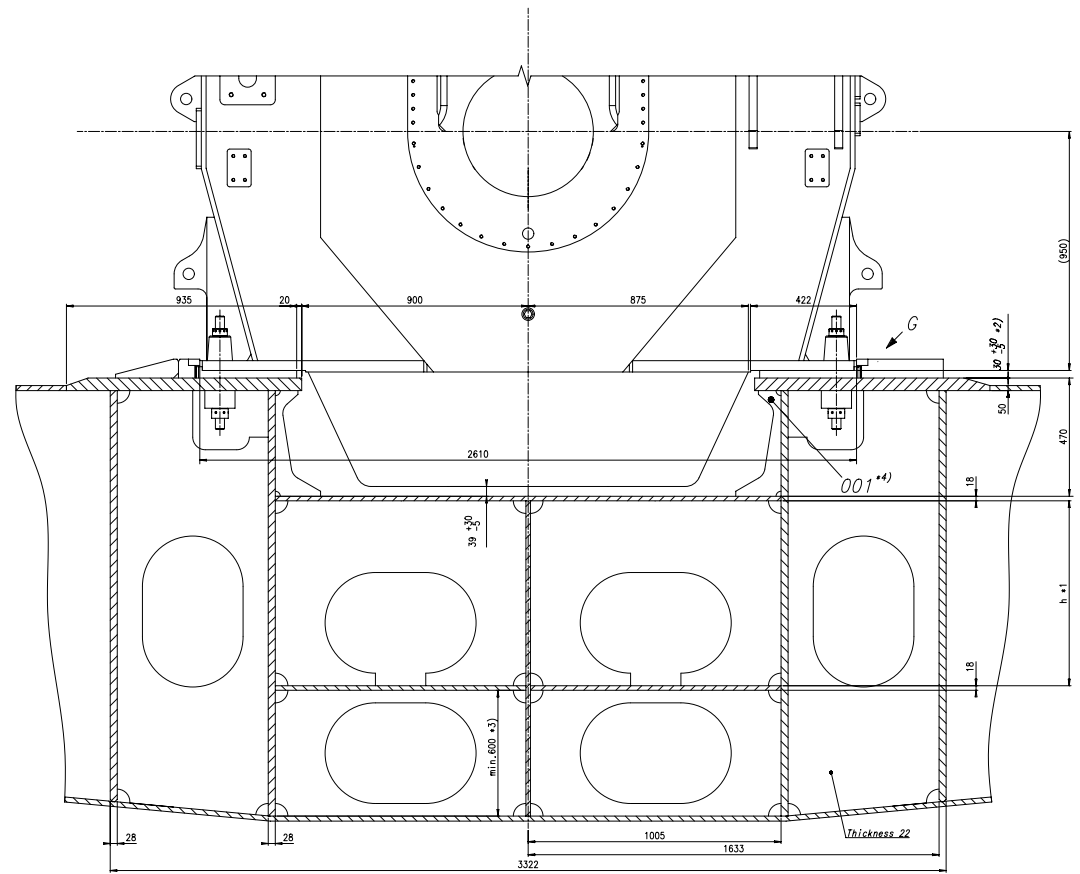


WNSD WNSD 664-0F-1.0 ENGINE SEATING/FOUNDATION		Scale: 1:3 Date: 12/12/2015 Drawn: 3710 Checked: DAAD073298
No. of cylinders: 6 No. of thrust sleeves: 6 Total no. of bolt holes: 40	Proposed dimension of epoxy resin chock #1) Chock length per side (mm): 403 Chocking area (cm ²): 2988 Chock volume requirements #2) (dm ³): min. 79, max. 201	Revision table: No. Date Description Drawn Checked



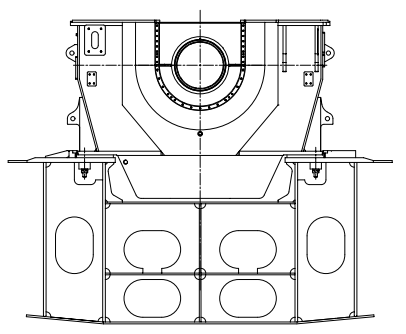
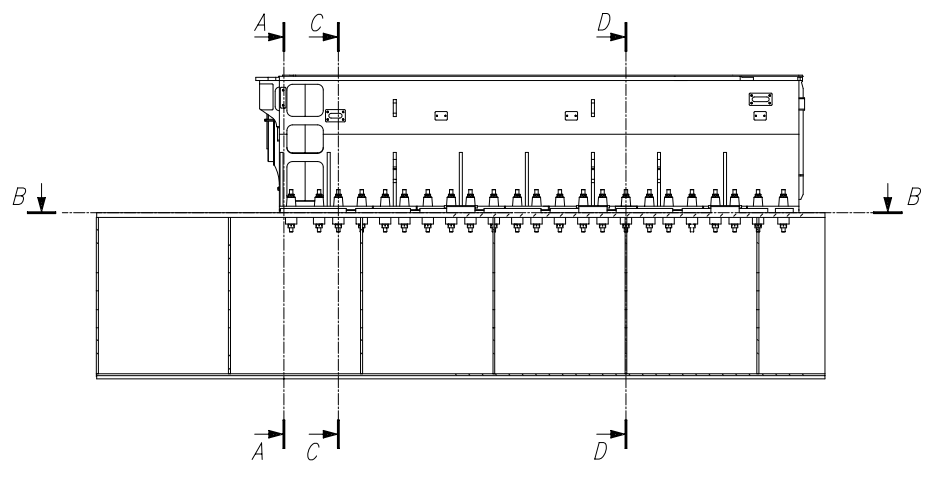
EAGLE		EAGLE		EAGLE	
Number	Drawn date	Number	Drawn date	Number	Drawn date
001	12.12.2015	002	12.12.2015	003	12.12.2015
WIND MEMBER OF THE... W6X40-B W6X40CF-1.0 ENGINE SEATING FOUNDATION					
Scale	1:2	Sheet	12	Page	1/2
Design Group	9710	Design	DAAD073298	Rev.	0

A-A (1:7.5)



- *1) Height to be determined by shipyard. For dimensions layout of lube oil drain tank and drains refer to design group 0722.
- *2) Chock thickness 30±0.2 mm final check thickness to be determined by shipyard.
- *3) Final distances according to the appropriate rules.
- *4) Quantity depending on shipyard design

PAAD340577	7 Cyl	Execution with side stoppers welded type
PAAD340583	7 Cyl	Execution with side stoppers flame-cut type



NO.	QTY	UNIT	MATERIAL	DESCRIPTION	QTY	UNIT	WEIGHT	
1	1	018	1074.12.130.500	FITTING INSTRUCTIONS	1074.12.130		0,001	
6	6	017	1074.11.233.000	WEDGE	1074.11.233	5235-R02 SS400	3,0	
3	-	016	1074.11.245.000	ENGINE SIDE STOPPER	45x25x350	5235-R02 SS400	27,0	
3	-	015	1074.11.244.000	ENGINE SIDE STOPPER	325x60x300	1074.11.244	5235-R02 SS400	27,0
-	3	014	PAAD060498	ENGINE SIDE STOPPER	325x60x300		27,0	
-	3	013	PAAD060492	ENGINE SIDE STOPPER		DAAD020531	15,9	
38	38	012	PAAD024777	PLUG		DAAD020526	15,2	
8	8	011	1074.10.829.000	JOINT DISC	1074.10.829	Rubber750	0,001	
1	1	010	1073.67.119.000	SEALING PIECE	1073.67.119	Rubber750	0,002	
44	44	009	1074.10.789.000	SPHERICAL ROUND NUT	1074.10.789	316MMx3MM 4.35	0,85	
38	38	008	1074.10.787.000	BUSH	1074.10.787	316MMx3MM 4.35	5,5	
38	38	007	1074.10.788.000	CONICAL SOCKET	1074.10.788	316MMx3MM 4.35	5,5	
8	8	006	1074.10.786.000	CONICAL SOCKET	1074.10.786	316MMx3MM 4.35	4,8	
44	44	005	PAAD060277	ELASTIC BOLT		DAAD020452	316MMx3MM 4.35	3,0
8	8	004	PAAD060278	BUSH		DAAD020451	316MMx3MM 4.35	6,6
44	44	003	1073.80.159.000	ROUND NUT	1073.80.159	420MMx3MM 44A	0,36	
1	1	002	1073.98.394.500	EPOXY RESIN	1073.98.394		0,001	
1	1	001	PAAD219834	FB		DAAD073278	W-FU-Z35-R	4,0

QTY	UNIT	MATERIAL	DESCRIPTION	QTY	UNIT	WEIGHT
1	001	DAAD073278	W-FU-Z35-R	4,0		4,0

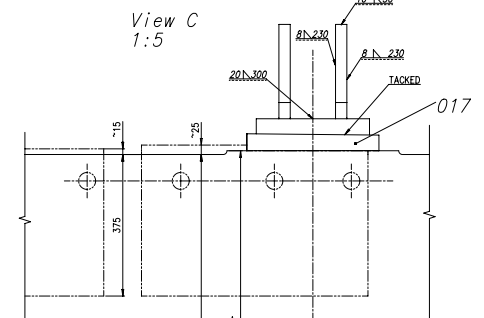
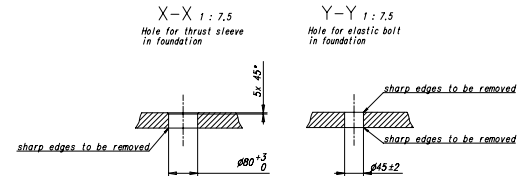
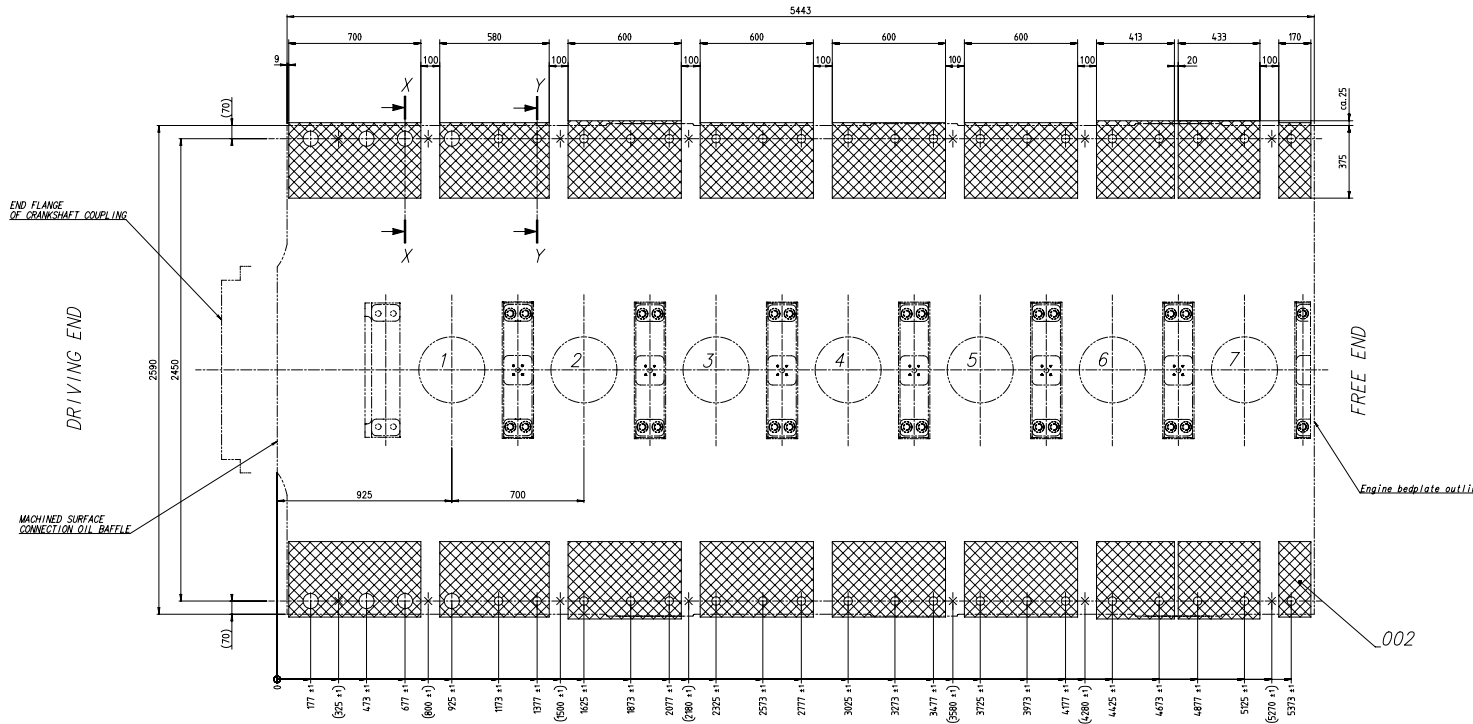
B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS

5443

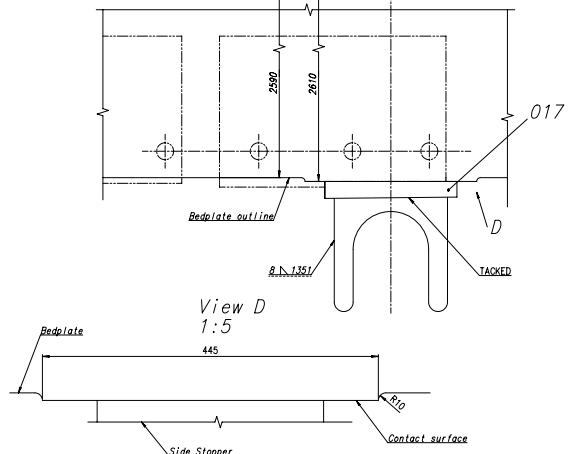
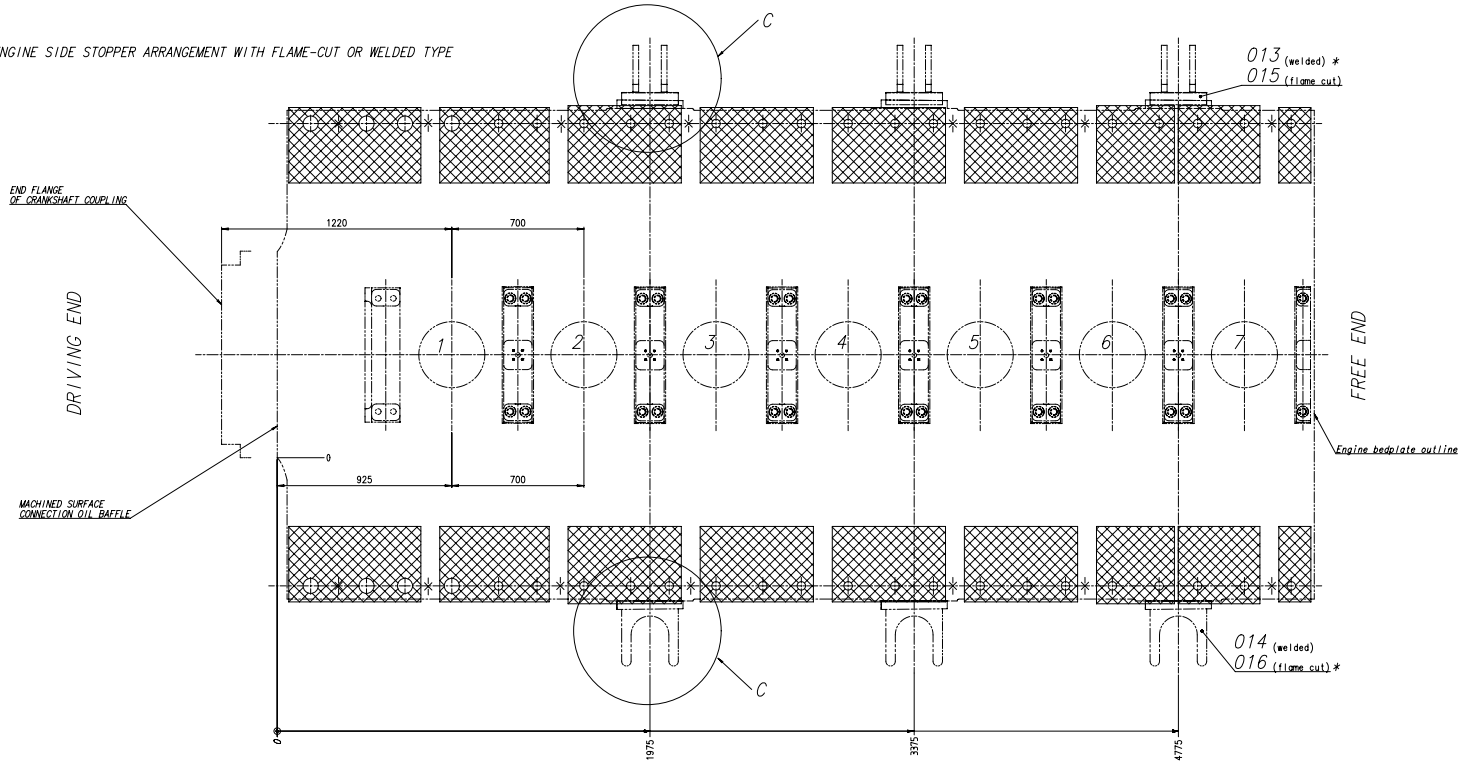
Table 1: Dimensions of epoxy resin chocks *1)

No. of chocks	Max. perm. mean surface pressure of chock *2)	Total chock length per side	Total net chocking force	Required quantity of epoxy resin material *3)
	(N/mm ²)	(mm)	(cm ²)	(dm ³) min. max.
7	4,5	4696	34072	108 241
No. of chocks	Total No. of holding thrust down studs	No. of sleeves		
7	46	8		

- Remarks:
- *1) For the layout is taken into consideration:
 - 4 max. permissible static load of 0,8 N/mm.
 - Engine holding down studs fully tightened according to fitting instructions
 - Engine mass (incl. net engine mass, vibration damper, flywheel, water and oil)
 - *2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification societies.
 - *3) Referring to a standardized chock thickness of 25 up to 60mm.
 - *4) with X marked positions represent jacking screws.



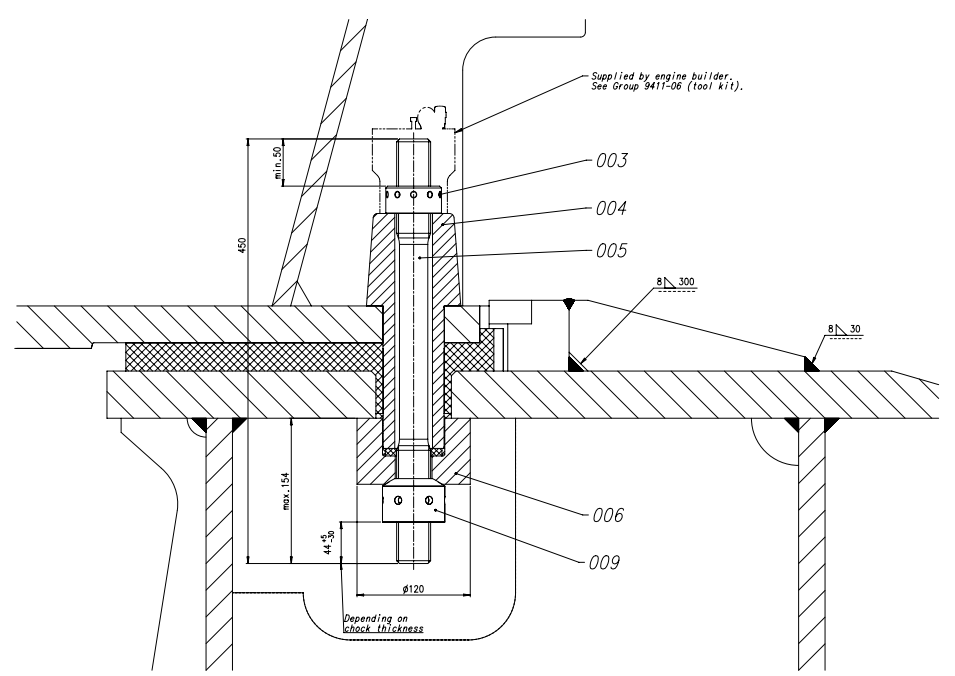
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE



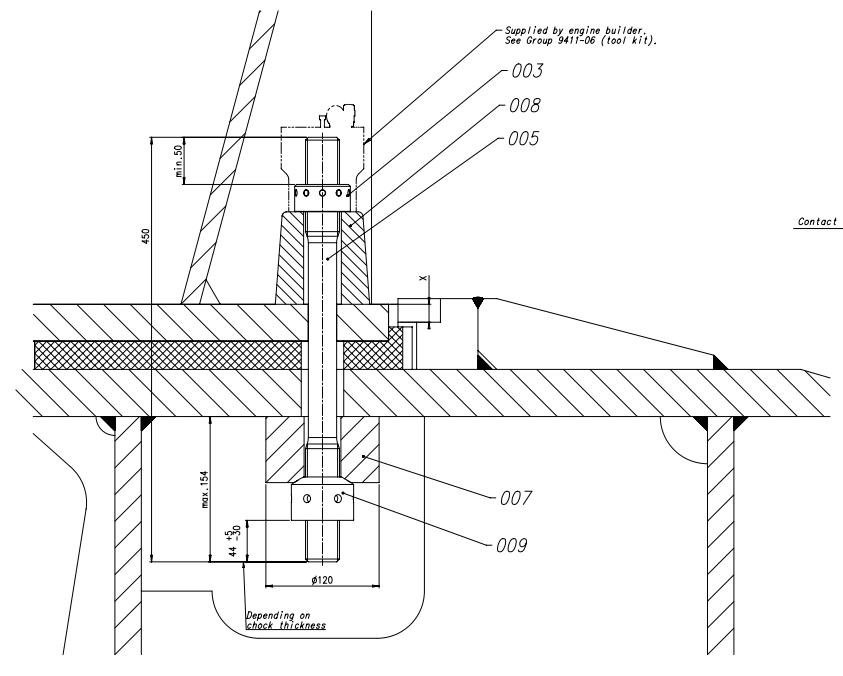
* Shown on Drawing

WINGED Manufacturer & Brand		ENGINE SEATING FOUNDATION	
Date: 10.10.2019 Scale: 1:5 Sheet: 1/3	Design: Sudent Checked: [Signature] Approved: [Signature]	No. 10.2019 Scale: 1:5 Sheet: 1/3	Date: 10.10.2019 Scale: 1:5 Sheet: 1/3

C-C



D-D

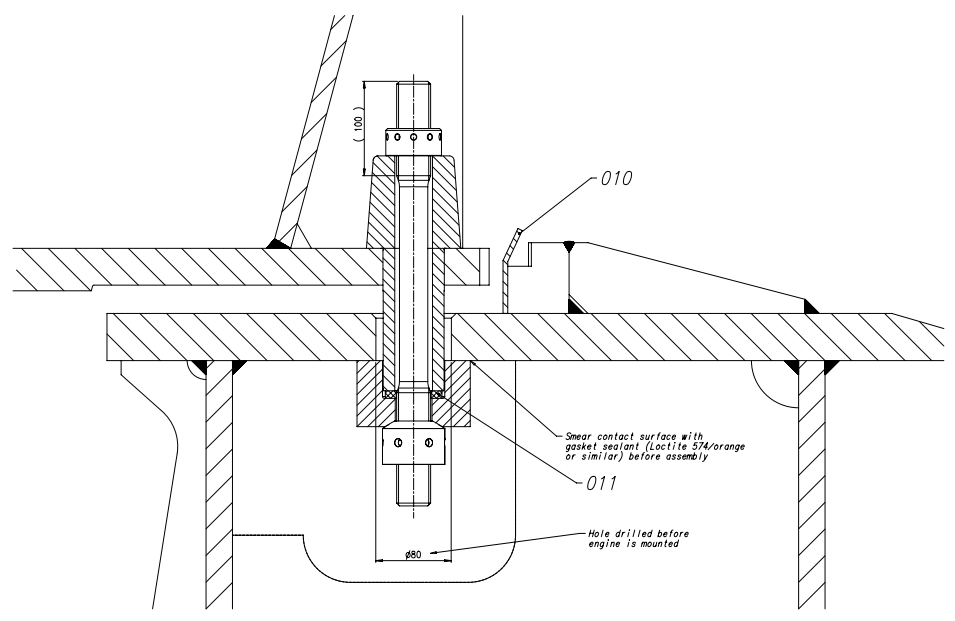


Contact surface between wedge and engine bedplate:

X [mm]	min. 10
--------	---------

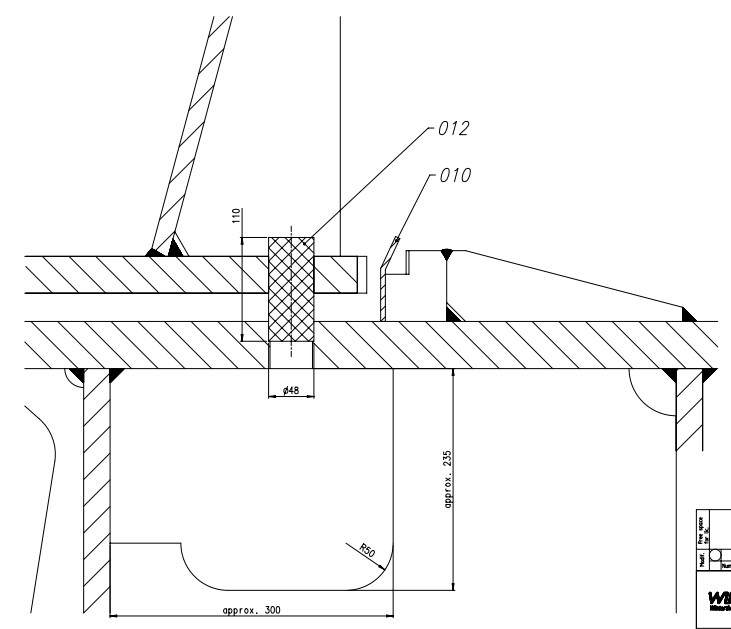
C-C

Arrangement before pouring the epoxy resin chock



D-D

Arrangement before pouring the epoxy resin chock

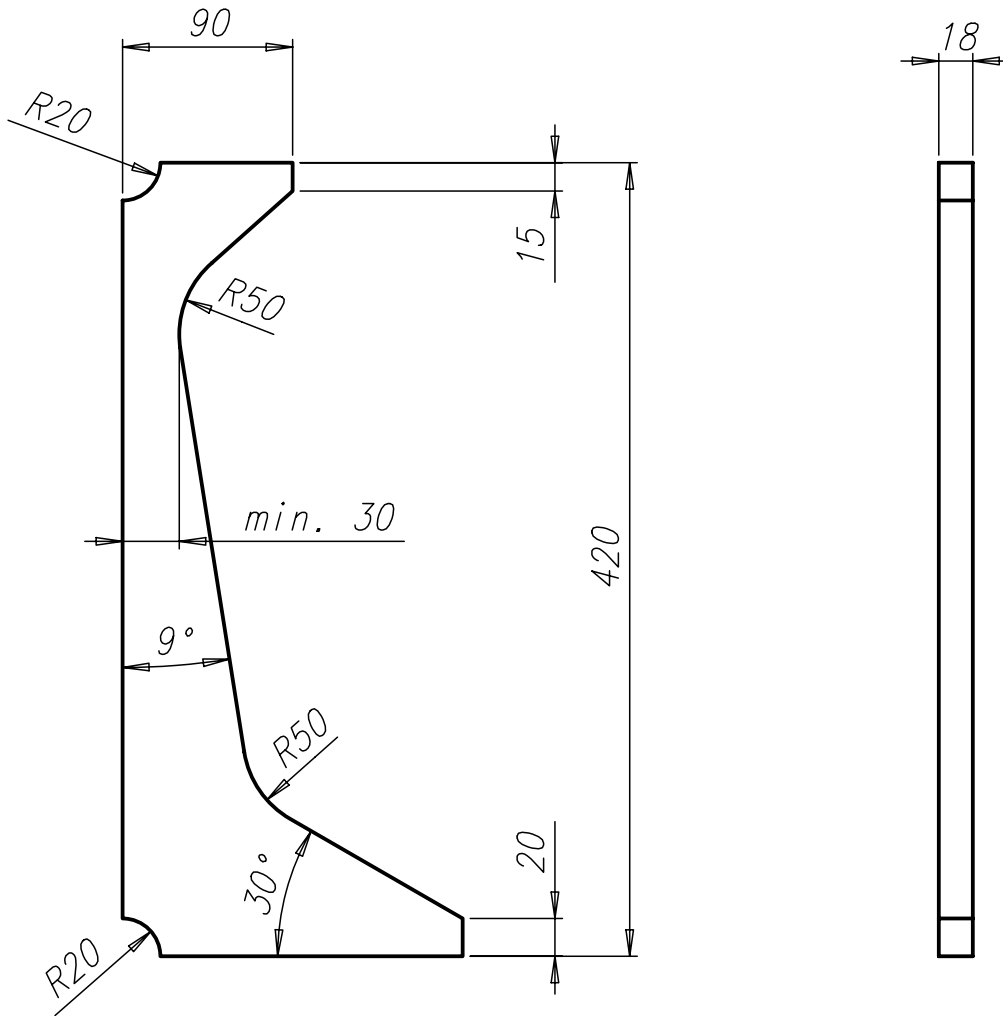


D-Code XXXXXX		Rev H
Standard ISO/JIS		
Number	Drawn date	Number
01		01
Title ENGINE SEATING FOUNDATION		
Model W7X4-0-B W7X4-0CF-1-0	Part weight	
Scale 1:2	Sheet 3/3	Drawn date
Design Group 9710	DAAD122058	

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 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 XXXXX
Standard ISO JIS

Main Draw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
○			○		○		○	



Product W-2S

RIB
Rippe

Units	mm kg	IDE		Basic Material	W-FU-235-JR	Net Weight	4.000
Made	01.12.2015 dki021 DH.Kim			Scale	1:4	Size	A4
Chkd	17.12.2015 mhu019 Hug			Design Group	9710	Page	1/1
Appd	17.12.2015 bha009 Haag			Drawing ID	DAAD073278	Material ID	PAAD213834
						Rev.	-

Approved
DID - DIMENSIONAL DRAWING - Confidential


A
B
C
D
E
F

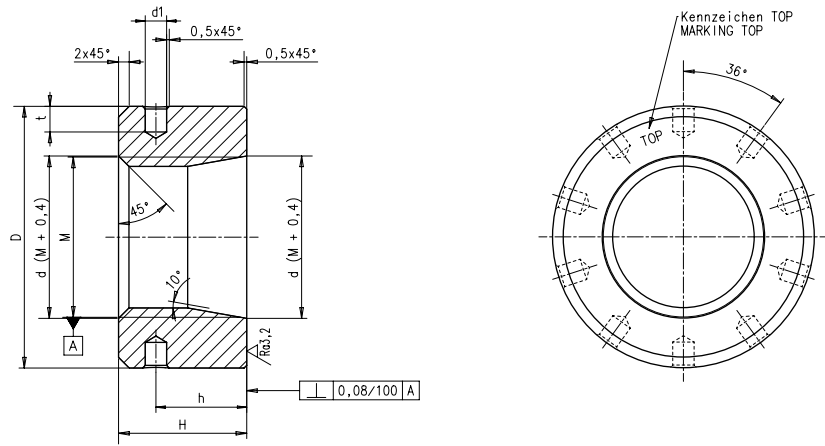
SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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

A
B
C
D
E
F
Approved
D
F
DID - DIMENSIONAL DRAWING - Confidential

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



POS.	M	D	d	H	h	d1	t
001	M27	44	27,4	22	15	4 ^{+0.2} ₀	4,8
002	M30	49	30,4	24	17	4 ^{+0.2} ₀	4,8
003	M33	54	33,4	26	18	4 ^{+0.2} ₀	4,8
004	M36	59	36,4	29	20	6 ^{+0.2} ₀	7,2
005	M39	64	39,4	31	22	6 ^{+0.2} ₀	7,2
006	M42	68	42,4	34	24	6 ^{+0.2} ₀	7,2
007	M45	73	45,4	36	25	6 ^{+0.2} ₀	7,2
008	M48	78	48,4	38	27	6 ^{+0.2} ₀	7,2
009	M52	85	52,4	42	29	6 ^{+0.2} ₀	7,2
010	M56	91	56,4	45	31	6 ^{+0.2} ₀	7,2
011	M60	98	60,4	48	34	9,5 ^{+0.2} ₀	11,4
012	M64	104	64,4	51	36	9,5 ^{+0.2} ₀	11,4
013	M68	111	68,4	54	38	9,5 ^{+0.2} ₀	11,4
014	M72	117	72,4	58	40	9,5 ^{+0.2} ₀	11,4
015	M76	124	76,4	61	43	9,5 ^{+0.2} ₀	11,4
016	M80	130	80,4	64	45	9,5 ^{+0.2} ₀	11,4
017	M85	139	85,4	68	48	14 ^{+0.2} ₀	16,8
018	M90	147	90,4	72	50	14 ^{+0.2} ₀	16,8
019	M95	155	95,4	76	53	14 ^{+0.2} ₀	16,8
020	M100	163	100,4	80	56	14 ^{+0.2} ₀	16,8
021	M105	171	105,4	84	59	14 ^{+0.2} ₀	16,8
022	M110	179	110,4	88	62	14 ^{+0.2} ₀	16,8

Ro6.3/ (Ra3,2/)

MATERIAL:	W-FA-42CrMo-QT
D > 40 - ≤ 100	vergetet QUENCH HARDENED AND TEMPERED Rm = 900 ⁺⁸⁰ N/mm ²
D > 100 - ≤ 160	vergetet QUENCH HARDENED AND TEMPERED Rm = 800 ⁺⁸⁰ N/mm ²
D > 160 - ≤ 250	vergetet QUENCH HARDENED AND TEMPERED Rm = 750 ⁺⁸⁰ N/mm ²

1	022	FAAD220851	ROUND NUT	M110	107.380.159	W-FA-42CrMo-QT	11,3
1	021	FAAD293012	ROUND NUT	M105	107.380.159	W-FA-42CrMo-QT	9,82
1	020	107.380.159.020	ROUND NUT	M100	107.380.159	W-FA-42CrMo-QT	7,95
1	019	107.380.159.019	ROUND NUT	M95	107.380.159	W-FA-42CrMo-QT	6,80
1	018	107.380.159.018	ROUND NUT	M90	107.380.159	W-FA-42CrMo-QT	5,74
1	017	107.380.159.017	ROUND NUT	M85	107.380.159	W-FA-42CrMo-QT	4,81
1	016	107.380.159.016	ROUND NUT	M80	107.380.159	W-FA-42CrMo-QT	4,11
1	015	107.380.159.015	ROUND NUT	M76	107.380.159	W-FA-42CrMo-QT	3,51
1	014	107.380.159.014	ROUND NUT	M72	107.380.159	W-FA-42CrMo-QT	2,98
1	013	107.380.159.013	ROUND NUT	M68	107.380.159	W-FA-42CrMo-QT	2,49
1	012	107.380.159.012	ROUND NUT	M64	107.380.159	W-FA-42CrMo-QT	2,07
1	011	107.380.159.011	ROUND NUT	M60	107.380.159	W-FA-42CrMo-QT	1,69
1	010	107.380.159.010	ROUND NUT	M56	107.380.159	W-FA-42CrMo-QT	1,41
1	009	107.380.159.009	ROUND NUT	M52	107.380.159	W-FA-42CrMo-QT	1,13
1	008	107.380.159.008	ROUND NUT	M48	107.380.159	W-FA-42CrMo-QT	0,879
1	007	107.380.159.007	ROUND NUT	M45	107.380.159	W-FA-42CrMo-QT	0,723
1	006	107.380.159.006	ROUND NUT	M42	107.380.159	W-FA-42CrMo-QT	0,584
1	005	107.380.159.005	ROUND NUT	M39	107.380.159	W-FA-42CrMo-QT	0,464
1	004	107.380.159.004	ROUND NUT	M36	107.380.159	W-FA-42CrMo-QT	0,36
1	003	107.380.159.003	ROUND NUT	M33	107.380.159	W-FA-42CrMo-QT	0,284
1	002	107.380.159.002	ROUND NUT	M30	107.380.159	W-FA-42CrMo-QT	0,212
1	001	107.380.159.001	ROUND NUT	M27	107.380.159	W-FA-42CrMo-QT	0,152

QTY	SEQ. NO.	Material ID	Material Name	Standard or Drawing	Dimension, Dec	Basic Material	Material Standard	Weight GRUNET

Free space for use

Mod.	A	EAAD700213	28.11.2011	B	EAAD700366	08.11.2012	C	EAAD084320	31.05.2013	D	EAAD089442	18.05.2018
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	

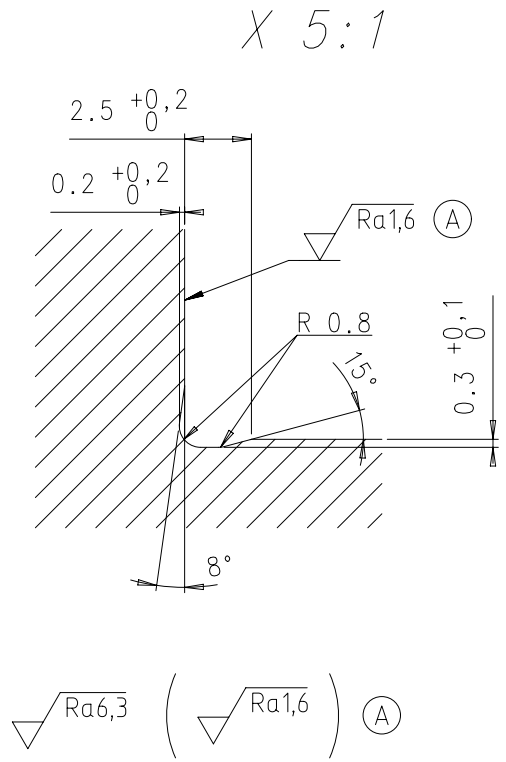
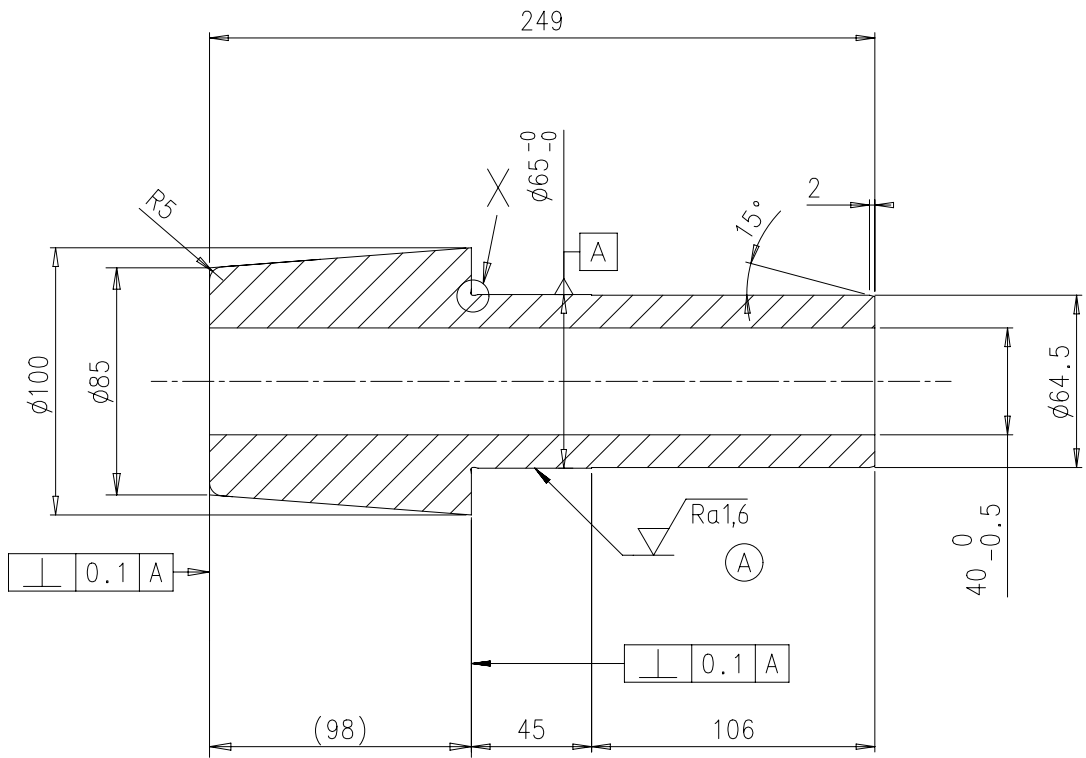
Product: W-2S

ROUND NUT
Rundmutter

Units: mm kg NX Basic Material Size: 1:1 Page: 1/1 Material ID: 107.380.159

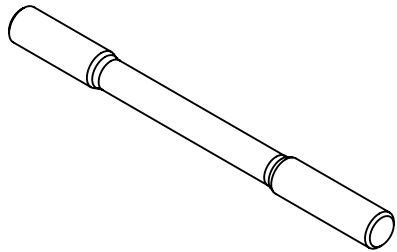
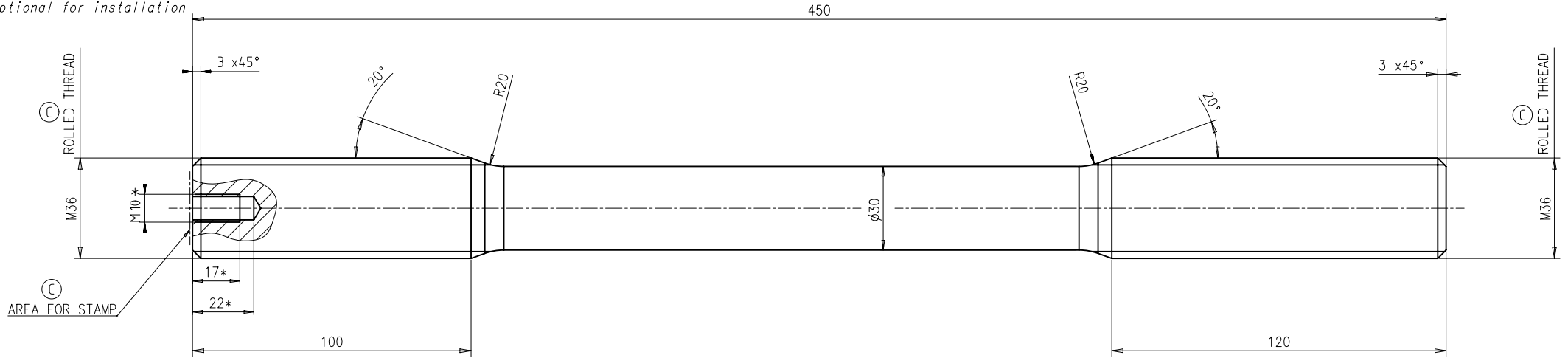
Surface Protection See Group 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mk

Made 18.12.2006 J.RIETMANN Scale 1:1 Size A1
Chd Design Group 3306 Drawing B
Appd 16.05.2007 ESC002 Schlegel 107.380.159 Rev. D



Free space for lic.	Q-Code XXXXXX								Main Drw.
	Standard ISO; JIS								
Modif.	A	EAAD091567	22.11.2019						
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
 WIN GD Winterthur Gas & Diesel		Product W-2S		BUSH Buechse					
Units	mm kg	NX			Basic Material		W-FA-34CrMo-QT		Net Weight 6,5
SURFACE PROTECTION SEE GROUP 0344		Made	21.09.2011 sth017 S.Thalmann		Scale 1:2		Size A3	Page 1/1	Material ID PAAD060276
TOLERANCING PRINCIPLE ISO8015		Chkd	21.10.2011 mhu019 Hug		Design Group		9710		Rev. A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	21.10.2011 wwr001 Wroblewski		Drawing ID		DAAD020451		

* Optional for installation



(C) $\sqrt{Ra3,2}$ MACHINED BEFORE THREAD ROLLING
 QUENCH HARDENED AND TEMPERED, $R_m = 900^{+200}_0$ N/mm²
 YIELD POINT $Re = \text{min. } 650$ N/mm²
 ELONGATION AT BREAK $A(L_o = 5d_o) = \text{min. } 12\%$
 IMPACT ENERGY ISO-V = 40J (Temp. 20°C)

* THIS TABLE REFERS TO DIN EN 10204-(2004), 'TYPES OF INSPECTION DOCUMENTS'		
LISTED ARE THE MOST STRINGENT CERTIFICATION REQUIREMENTS		
ACTUAL REQUIREMENTS MUST BE AGREED WITH THE APPROPRIATE CLASSIFICATION SOCIETY		
TEST TYPE:	CERTIFICATE TYPE:	TESTING FREQUENCY:
MATERIAL IDENTIFICATION	MATERIAL IDENTIFICATION	-
CHEMICAL ANALYSIS	CLASSIFICATION CERTIFICATE 3.2 *	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
TENSILE TEST	CLASSIFICATION CERTIFICATE 3.2 *	TEST PER ORDER LOT OR PER CHARGE IF SEVERAL CHARGES
IMPACT TEST	CLASSIFICATION CERTIFICATE 3.2 *	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

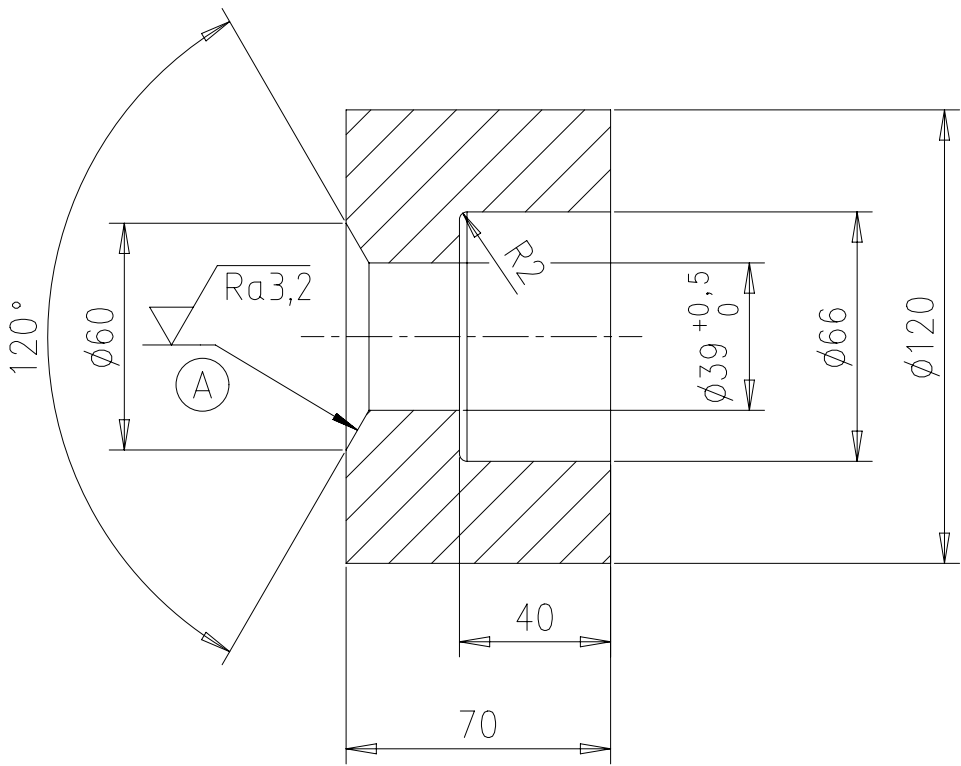
1	001	107.427.450.200	MATERIAL AND TEST SPECIFICATION ELASTIC BOLT	107.427.450		0,006					
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET				
Free space for file						Q-Code 1QXP1 Standard ISO; JIS	Main Drw.				
Modif.	A	EAAD083430	18.01.2012	B	EAAD087209	09.06.2017	C	EAAD091567	22.11.2019		
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date			
Product		W-2S		ELASTIC BOLT		Dehnbolzen					
Units		mm kg	NX	Basic Material		W-FA-34CrMo-QT	Net Weight		3,0		

SURFACE PROTECTION SEE GROUP 0344	Made	18.10.2011	sfe006	Feuerstein	Scale	1:1	Size	A2	Page	1/1	Material ID	PAAD060277
TOLERANCING PRINCIPLE ISO8015	Chkd	21.10.2011	mhu019	Hug	Design Group		Drawing ID	DAAD020452	Rev.	C		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	21.10.2011	wwr001	Wroblewski	9710							

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

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	23.11.2019				
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
		Product W-2S		CONICAL SOCKET Konische Buechse			
Units	mm kg	NX	Basic Material W-FA-34CrMo-QT		Net Weight 4,8		
Made	20.09.2010	jba029	Baumann	Scale 1:2	Size A4	Page 1/1	Material 107.410.786.001
Chkd	23.12.2010	wwr001	Wroblewski	Design Group 9710	Drawing ID 107.410.786		Rev. A
Appd	23.12.2010	dst009	Strödecke				

1 2 3 4

A
B
C
D
E
F
Approved
ILD - INSTALLATION DRAWING - Internal

1

2

3

4

A

A

B

B

C

C

D

D

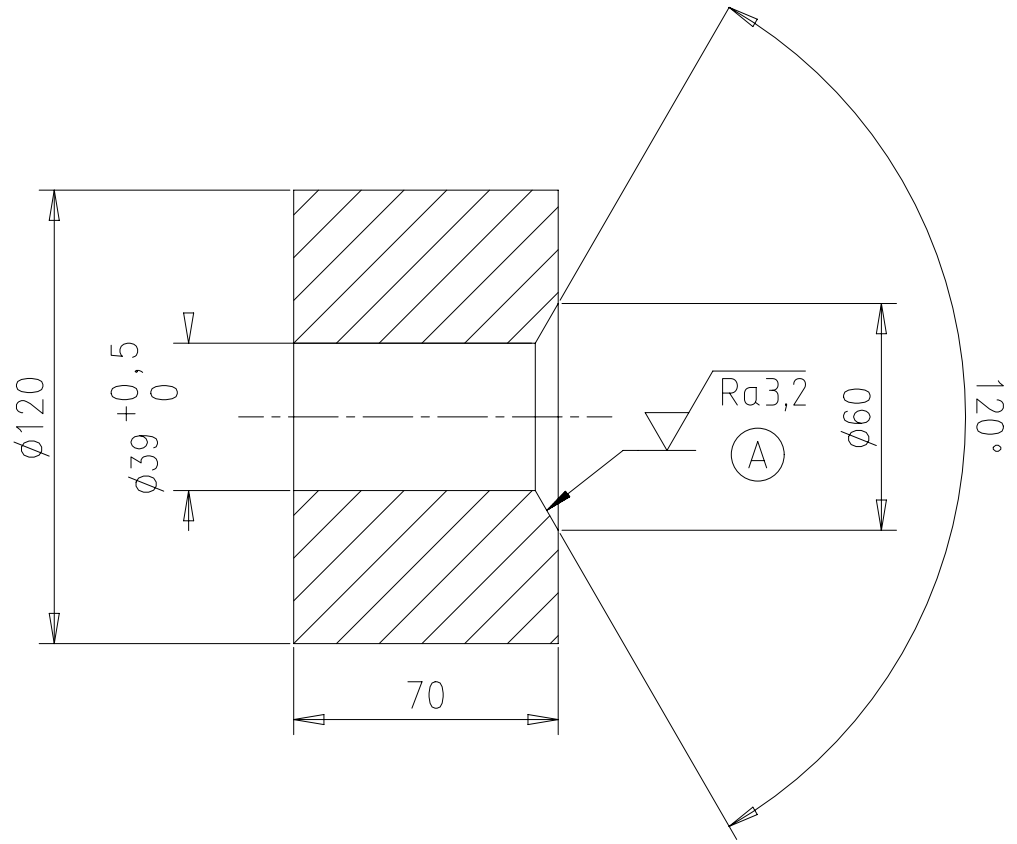
F

F

F

F

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



(A) $\sqrt{Ra6,3}$ ($\sqrt{Ra3,2}$) SHARP EDGES REMOVED

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	23.11.2019	()	()	()	()
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
		Product W-2S		CONICAL SOCKET Konische Buechse			
Units	mm kg	NX		Basic Material W-FA-34CrMo-QT		Net Weight 5,5	
Made	20.09.2010	jba029	Baumann	Scale	1:2	Size	A4
Chkd	23.12.2010	wwr001	Wroblewski	Design Group	9710	Page	1/1
Appd	23.12.2010	dst009	Strödecke	Material ID	107.410.788.001	Material	107.410.788.001
						Drawing ID	107.410.788
						Rev.	A

Approved

ILD - INSTALLATION DRAWING - Internal

1

2

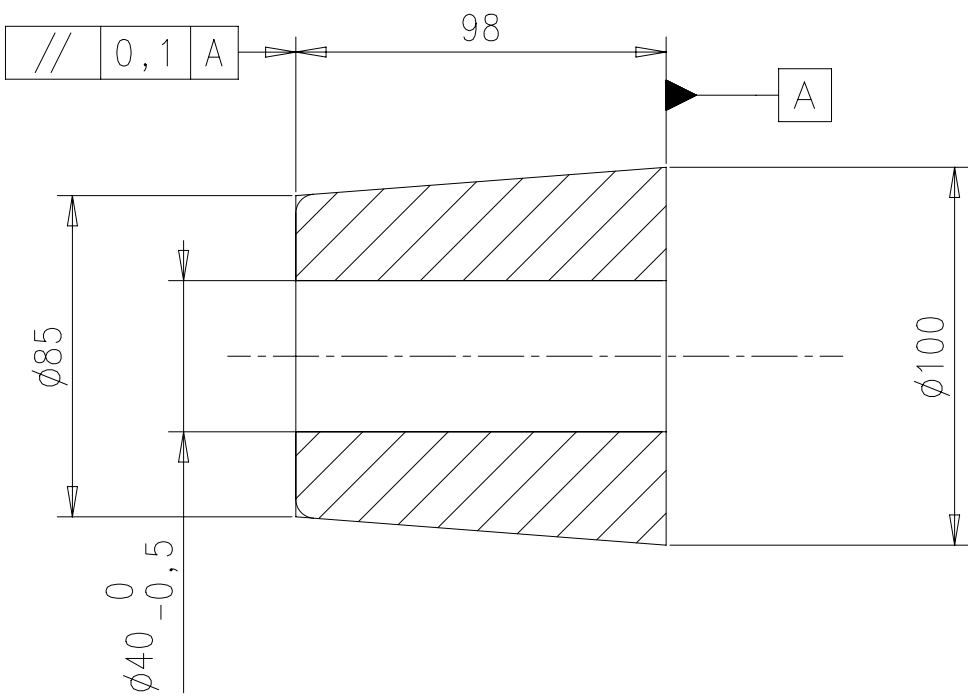
3

4

1 2 3 4

A
B
C
D
E
F

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

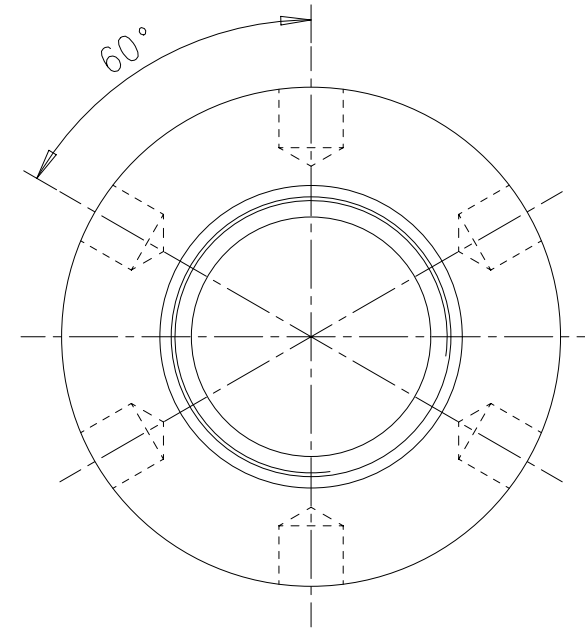
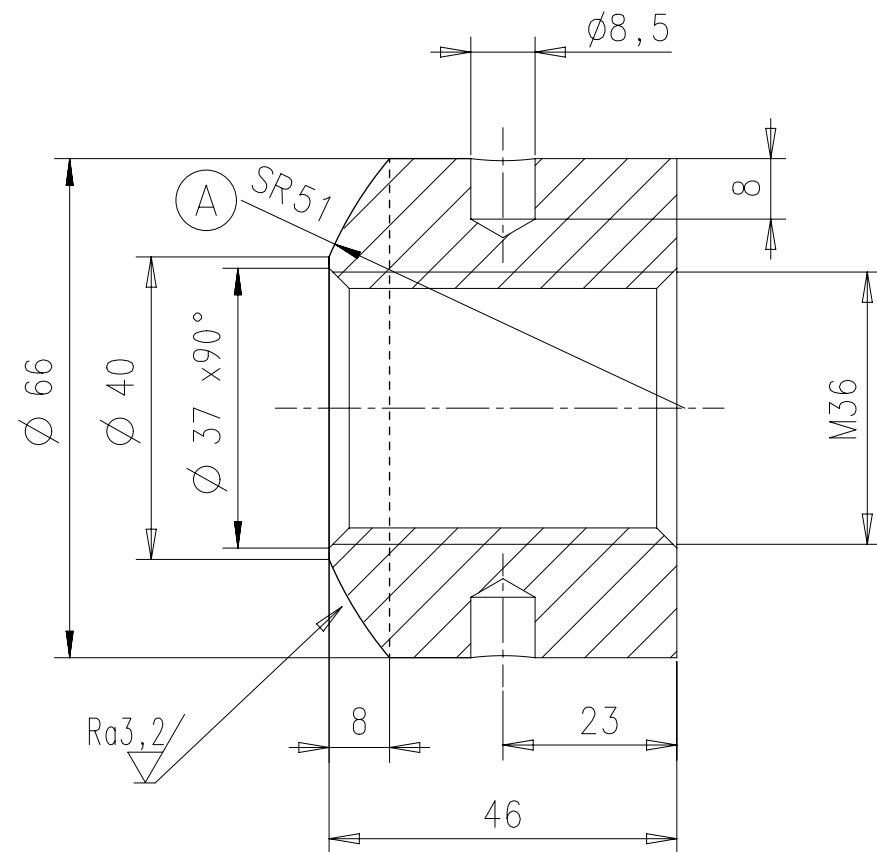


(A) $\sqrt{Ra6,3}$ SHARP EDGES REMOVED 0,2x45°

Free space for lic.		Q-Code XXXXXX				Main Drw.	
Standard ISO; JIS							
Modif.	(A)	EAAD091567	05.12.2019				
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
		Product W-2S		BUSH Buechse			
Units	mm kg	NX	Basic Material W-FA-34CrMo-QT		Net Weight 5,5		
Made	20.09.2010	jba029	Baumann	Scale 1:2	Size A4	Page 1/1	Material ID 107.410.787.001
Chkd	23.12.2010	wwr001	Wroblewski	Design Group 9710	Drawing ID 107.410.787		Rev. A
Appd	23.12.2010	dst009	Strödecke				

1 2 3 4

Approved
ILD - INSTALLATION DRAWING - Internal



Ra6,3/ (Ra3,2/) Kanten gebrochen SHARP EDGES REMOVED 0,2x45°

Free space for litc.	Q-Code XXXXXX						Main Drw.
	Standard ISO; JIS						
Modif.	A	EAAD087849	12.06.2017				
		Number	Drawn date		Number	Drawn date	
 Winterthur Gas & Diesel		Product W-2S		SPHERICAL ROUND NUT			
				Kugelige Rundmutter			
Units	mm	kg	NX	Basic Material 34CrMo4;SCM 435		Net Weight 0.85	
Made	20.09.2010	jba029	Baumann	Scale 1:1	Size A3	Page 1/1	Material ID 107.410.789.001
Chkd	23.12.2010	wwr001	Wroblewski	Design Group 9710	Drawing ID 107.410.789		Rev. A
Appd	23.12.2010	dst009	Strödecke				

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

Approved

ILD - INSTALLATION DRAWING - Internal

1

2

3

4

A

B

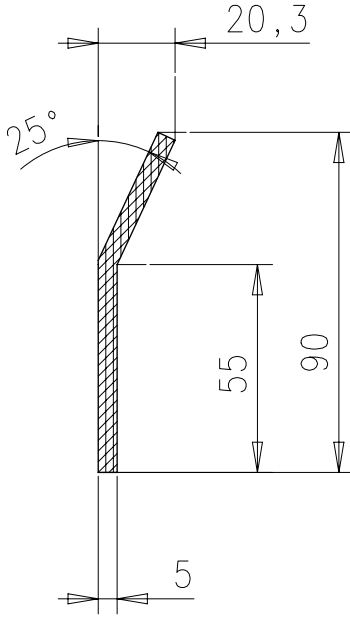
C

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	()	()
	Number	Drawn date		Number	Drawn date		Number	Drawn date
		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
Chkd			Design Group	9710		Material ID	107.367.119.001	
Appd	03.04.2006 SNA001				Drawing ID	107.367.119		Rev. B

PD - PRODUCTION DRAWING - Confidential

1

2

3

4

1

2

3

4

A

A

B

B

C

C

D

D

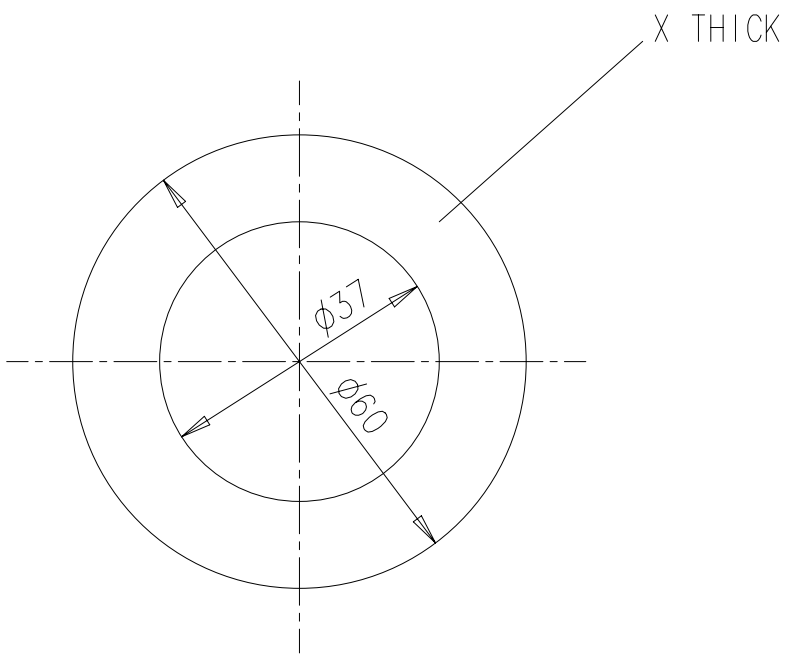
F

F

F

F

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



X = determined during assembly

Free space for lic.	Q-Code XXXXXX						Main Drw.
	Standard ISO; JIS						
Modif.	A	EAAD091567	23.11.2019				
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
 Winterthur Gas & Diesel		Product W-2S		JOINT DISC Dichtscheibe			
Units	mm kg	NX		Basic Material Rubber750		Net Weight 0,002	
Made	20.09.2010	jba029	Baumann	Scale 1:1	Size A4	Page 1/1	Material 107.410.829.001
Chkd	23.12.2010	wwr001	Wroblewski	Design Group 9710	Drawing ID 107.410.829	Rev. A	
Appd	23.12.2010	dst009	Strödecke				

Approved

ILD - INSTALLATION DRAWING - Internal

1

2

3

4

1

2

3

4

A

A

B

B

C

C

D

D

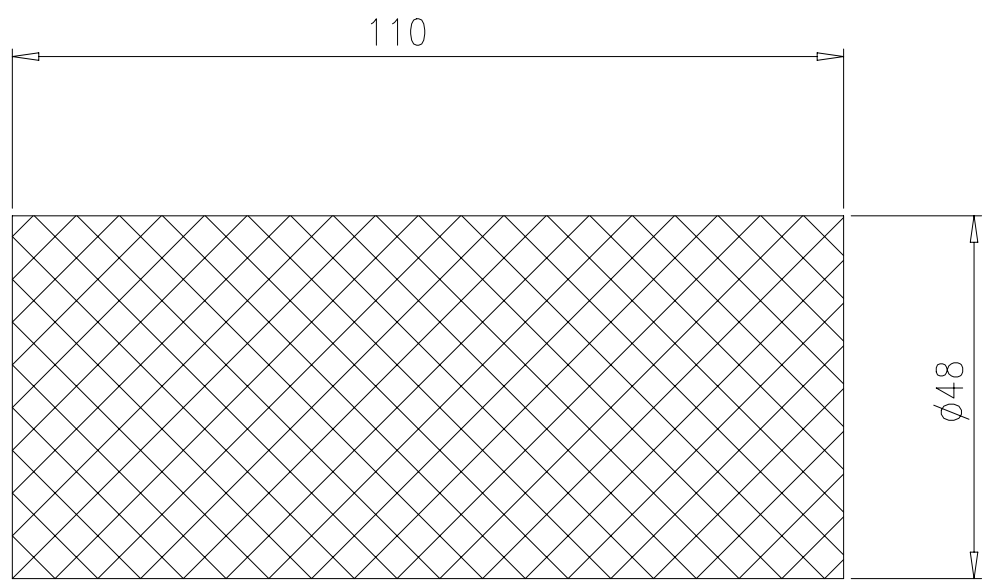
F

F

F

F

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

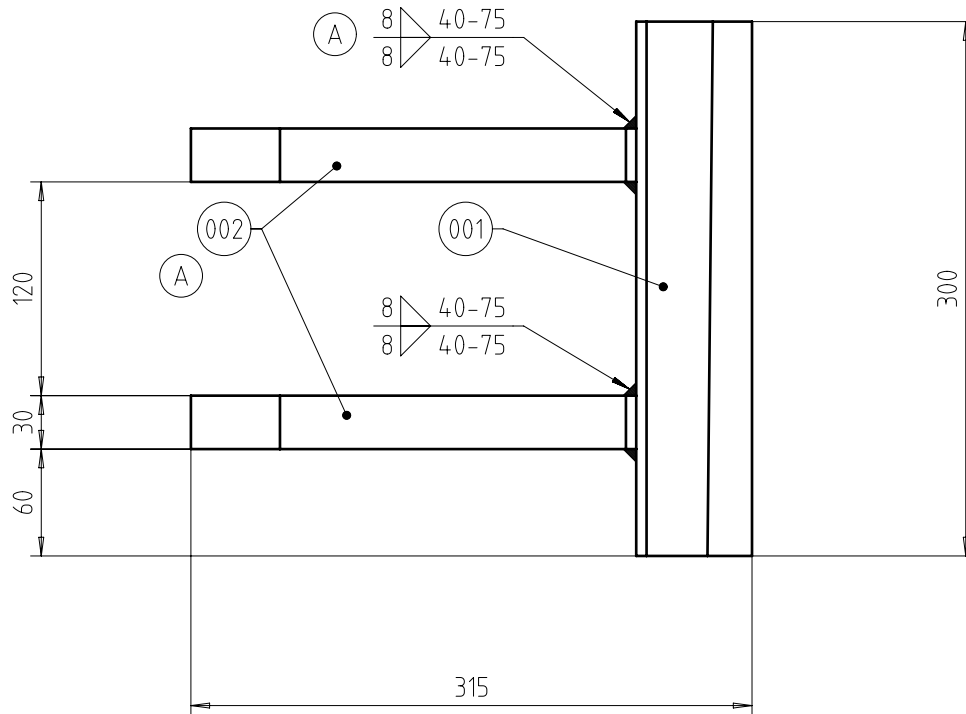
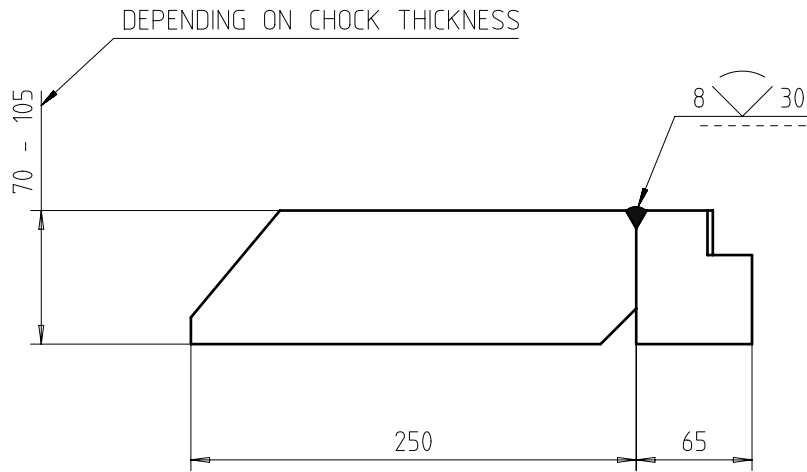


*) Material according to shipyard experience

Free space for lic.	Q-Code						Main				
	XXXXXX						Drw.				
Standard						ISO; JIS					
Modif.	EAAD091567	23.11.2019									
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date				
 Winterthur Gas & Diesel			Product		PLUG						
			W-2S								
Units	mm kg	NX	Basic Material *)			Net Weight 0,001					
Made	22.11.2010	S. Feuerstein		Scale	1:1	Size	A4	Page	1/1	Material ID	PAAD024777
Chkd	19.01.2011	wvr001 Wroblewski		Design Group		Drawing ID	DAAD011552		Rev.	A	
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	107.411.235.001	FLAT BAR		107.411.235	W-FU-235-JR	4,0
1	001	107.411.231.001	FLAT BAR	65xhx300	107.411.231	S235JR;STKM 12A	10,0
Free space for lic.						Q-Code XXXXXX Standard ISO; JIS	Main Drw.
Modif.	A	EAAD089996	12.02.2019				
	Number	Drawn date		Number	Drawn date	Number	Drawn date

WIN GD
Winterthur Gas & Diesel

Product
W-2S

ENGINE SIDE STOPPER
WELDED TYPE, FUEL SIDE
Motor-Seitenstopper

Units	mm kg	NX	Basic Material	Net Weight 18
Made	13.09.2011	sth017 S.Thalmann	Scale 1:3	Size A3 Page 1/1 Material ID PAAD060498
Chkd	21.10.2011	mhu019 Hug	Design Group 9710	Drawing ID DAAD020531 Rev. A
Appd	21.10.2011	wvr001 Wroblewski		

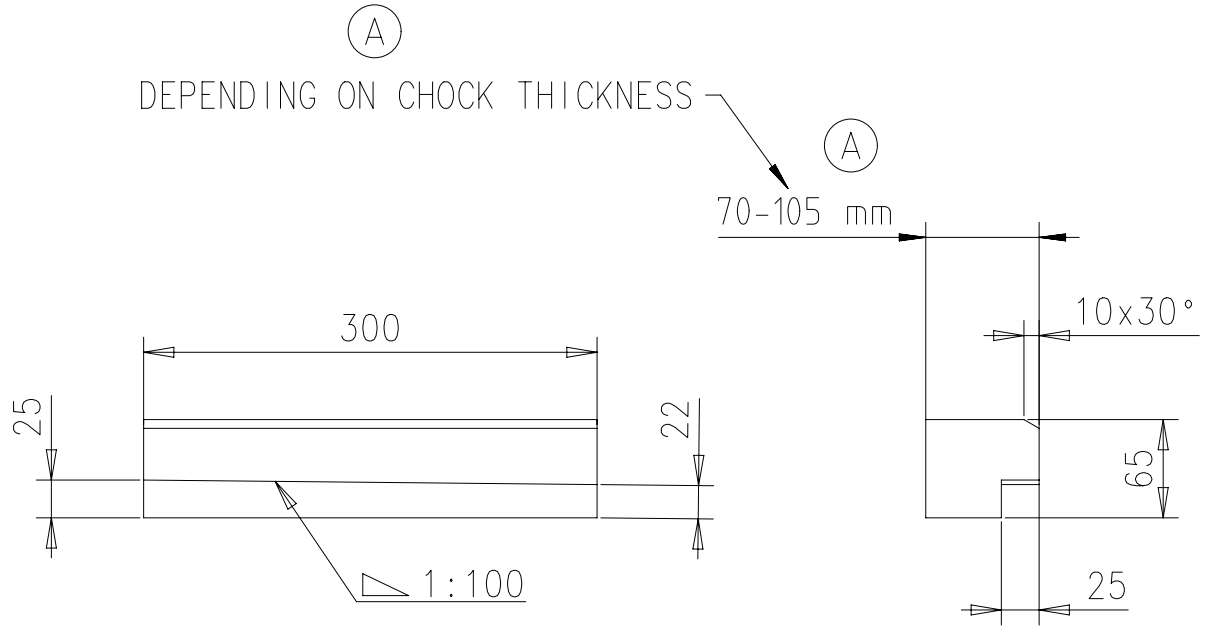
SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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



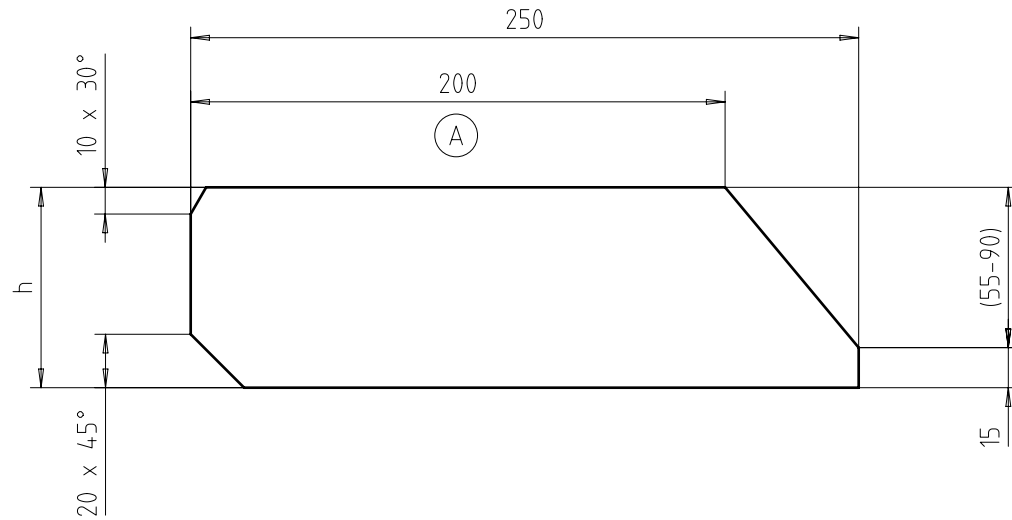
(A) $\sqrt{Ra6,3}$

Free space for lic.	Q-Code XXXXXX						Main Drw.	
	Standard ISO; JIS							
Modif.	(A)	EAAD091567	23.11.2019					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	
		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl				
Units	mm kg	NX	Basic Material W-FU-235-JR			Net Weight 10		
Made	20.09.2010	jba029	Baumann	Scale	1:5	Size	A4	
Chkd	23.12.2010	wwr001	Wroblewski	Design Group	9710	Page	1/1	
Appd	23.12.2010	dst009	Strödecke	Drawing ID	107.411.231		Material ID	107.411.231.001
							Rev.	A

1 2 3 4

Approved

ILD - INSTALLATION DRAWING - Internal



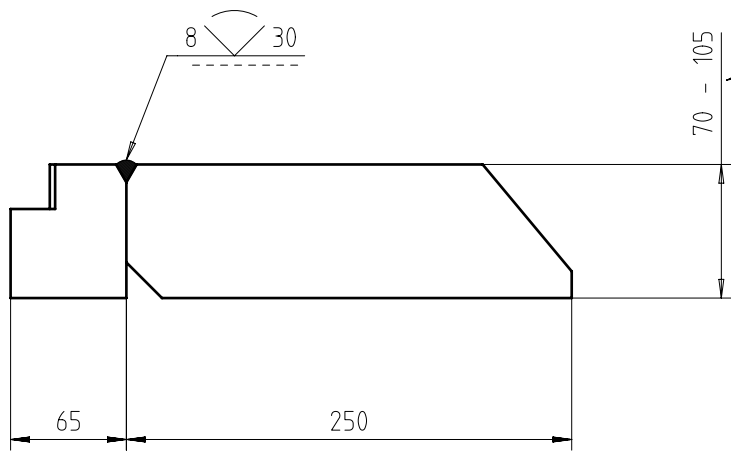
Ra50 / SHARP EDGES REMOVED

h = (70 - 105 mm)
 DEPENDING ON CHOCK THICKNESS,
 TO BE DETERMINED BY SHIPYARD

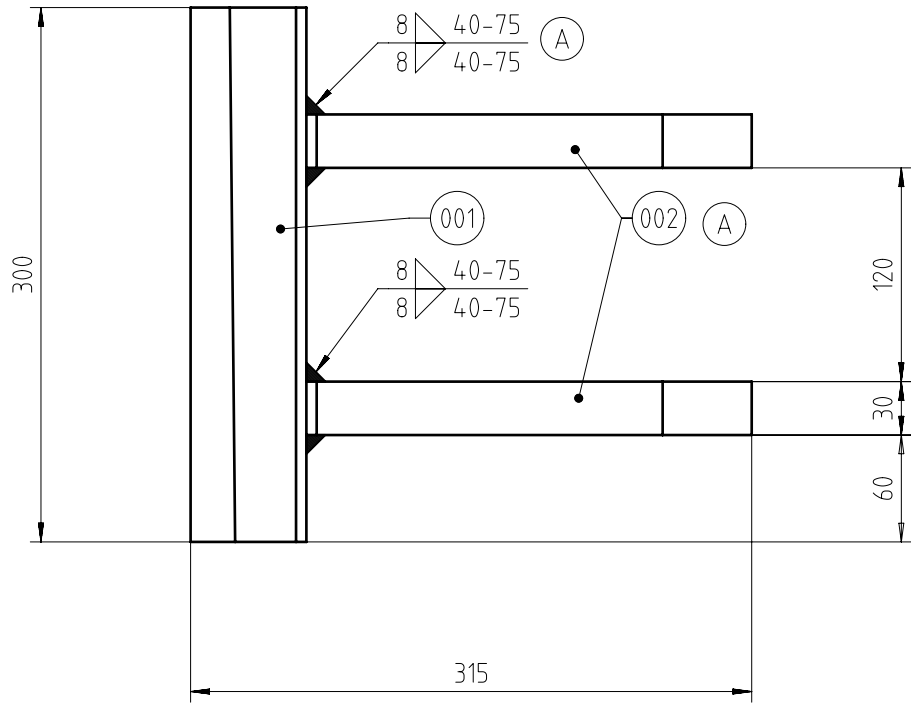
Free space for lic.								Q-Code XXXXX	Main Drw.
								Standard ISO; JIS	
Modif.	A	EAAD089996	19.10.2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number
		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl					
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 4	
SURFACE PROTECTION SEE GROUP 0344		Made	20.09.2010 jba029 Baumann		Scale	1:2		Size	A3
TOLERANCING PRINCIPLE ISO8015		Chkd	23.12.2010 wwr001 Wroblewski		Design Group	1/1		Material ID	107.411.235.001
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	23.12.2010 dst009 Strödecke			9710	Drawing ID	107.411.235	

UID - DIMENSIONAL DRAWING - Confidential

Approved



DEPENDENT ON CHOCK THICKNESS



WELD QUALITY LEVEL D (SEE 4-107.345.444)

2	002	107.411.235.001	FLAT BAR	107.411.235	W-FU-235-JR	4,0
1	001	107.411.232.001	FLAT BAR 65xhx300	107.411.232	S235JR;STKM 12A	10,0
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 Standard ISO; JIS	Main Drw.

Modif.	A	EAAD089996	12.02.2019						
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	

WIN GD
Winterthur Gas & Diesel

Product
W-2S

ENGINE SIDE STOPPER
WELDED TYPE, EXHAUST SIDE
Motor-Seitenstopper

Units	mm kg	NX	Basic Material	Net Weight 18
-------	-------	----	----------------	---------------

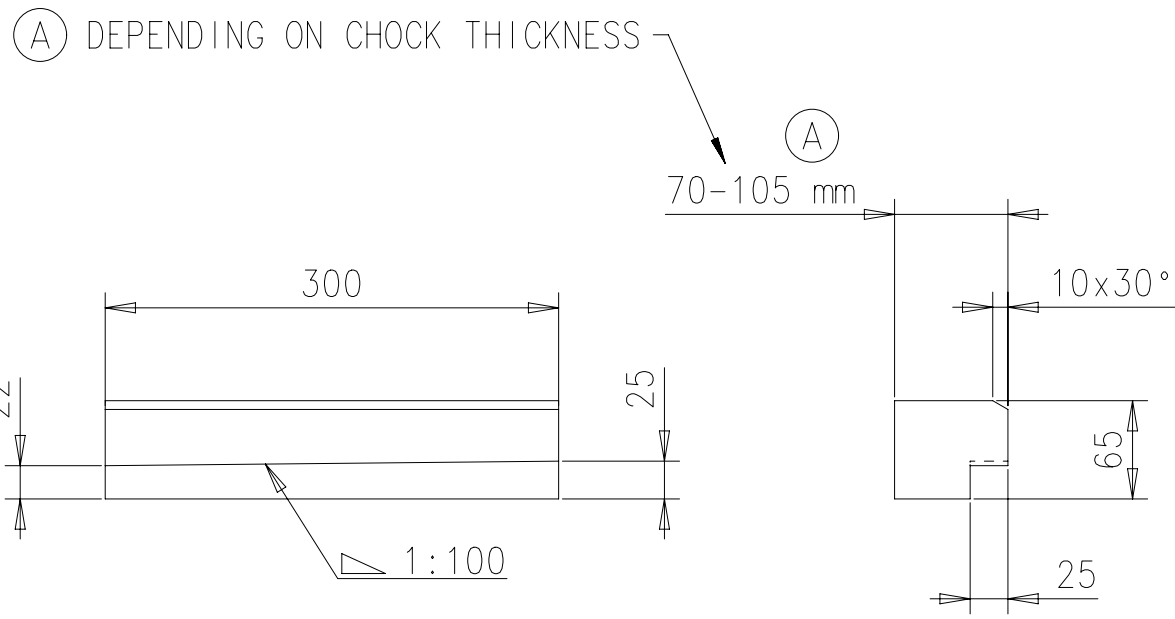
SURFACE PROTECTION SEE GROUP 0344	Made	13.09.2011	sth017 S.Thalmann	Scale	1:3	Size	A3	Page	1/1	Material ID	PAAD060492
TOLERANCING PRINCIPLE ISO8015	Chkd	21.10.2011	mhu019 Hug	Design Group	9710	Drawing ID	DAAD020526	Rev.	A		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	21.10.2011	wvr001 Wroblewski								

UID - DIMENSIONAL DRAWING - Confidential

1 2 3 4

A

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



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

B

C

D

F

F

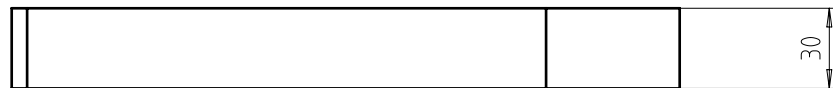
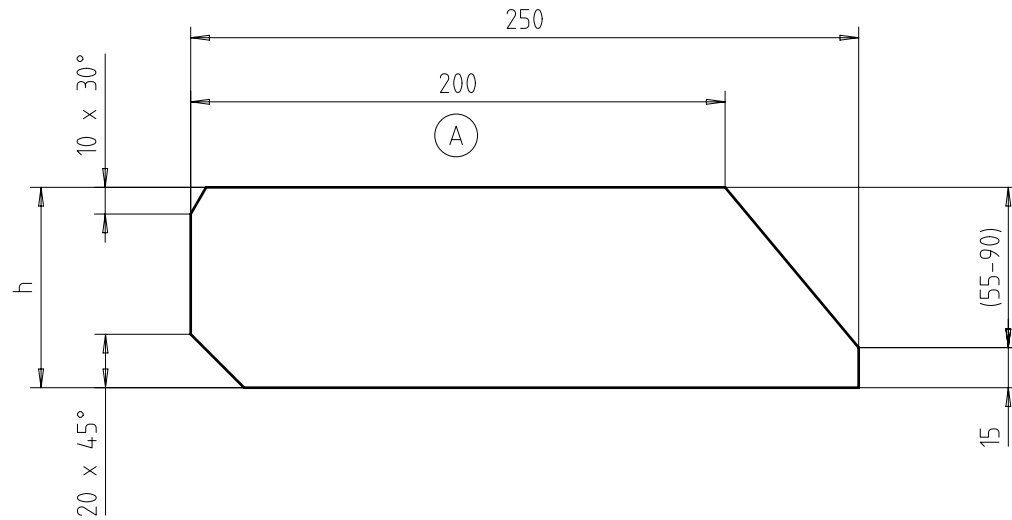
Copyright Winterthur Gas & Diesel Ltd. All rights reserved.
 By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way 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	23.11.2019			
Number	Drawn date	Number	Drawn date	Number	Drawn date
		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl	
Units	mm kg	NX	Basic Material W-FU-235-JR		Net Weight 10
Made	20.09.2010	jba029	Baumann	Scale 1:5	Size A4
Chkd	23.12.2010	wwr001	Wroblewski	Design Group 9710	Page 1/1
Appd	23.12.2010	dst009	Strödecke	Material ID 107.411.232.001	Rev. A
Drawing ID 107.411.232					

1 2 3 4

Approved

ILD - INSTALLATION DRAWING - Internal



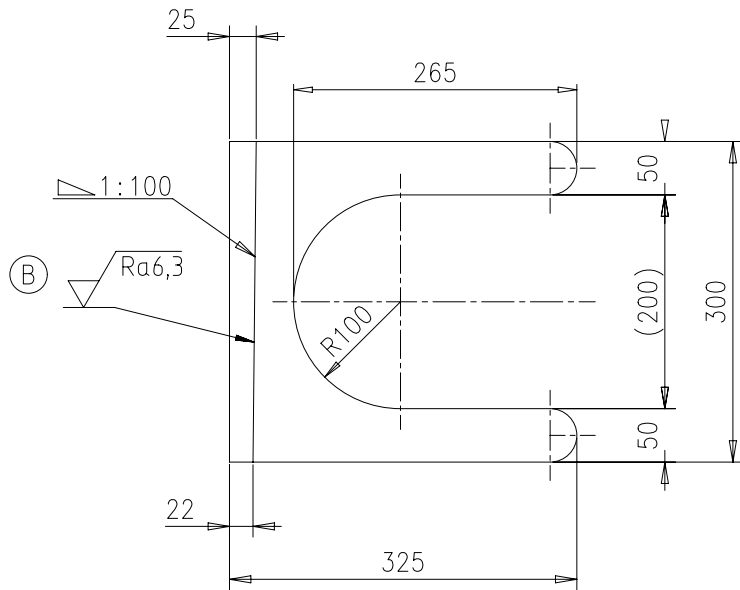
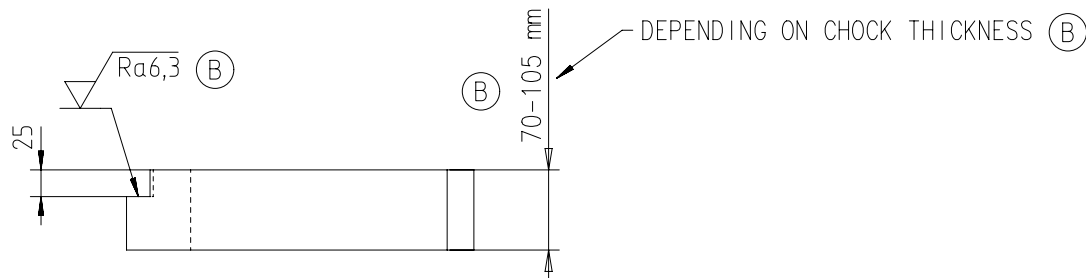
Ra50 / SHARP EDGES REMOVED

h = (70 - 105 mm)
 DEPENDING ON CHOCK THICKNESS,
 TO BE DETERMINED BY SHIPYARD

Free space for lic.								Q-Code XXXXX	Main Drw.					
								Standard ISO; JIS						
Modif.	A	EAAD089996	19.10.2018											
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number					
		Product W-2S		FLAT BAR TO ENGINE SIDE STOPPER Flachstahl										
Units	mm kg	NX		Basic Material W-FU-235-JR				Net Weight 4						
SURFACE PROTECTION SEE GROUP 0344		Made	20.09.2010	jba029 Baumann		Scale	1:2	Size	A3	Page	1/1	Material ID	107.411.235.001	
TOLERANCING PRINCIPLE ISO8015		Chkd	23.12.2010	wwr001 Wroblewski		Design Group		9710		Drawing ID		107.411.235	Rev.	A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	23.12.2010	dst009 Strödecke										

UID - DIMENSIONAL DRAWING - Confidential

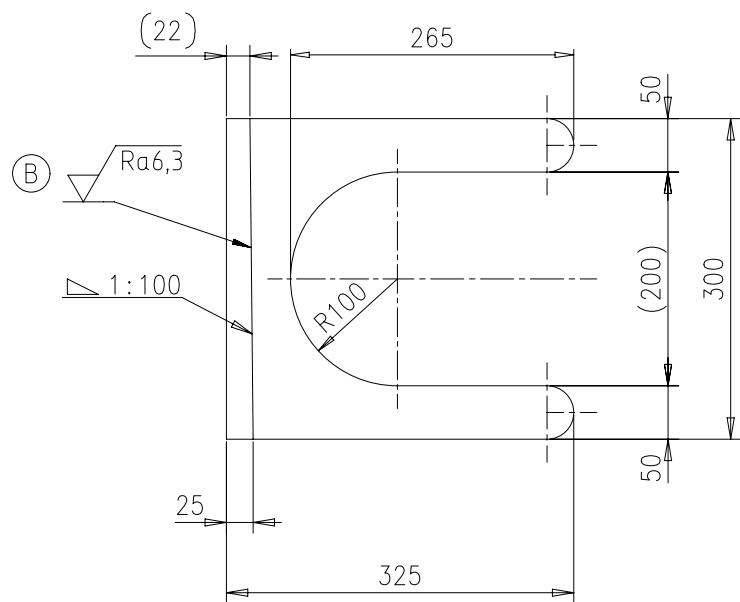
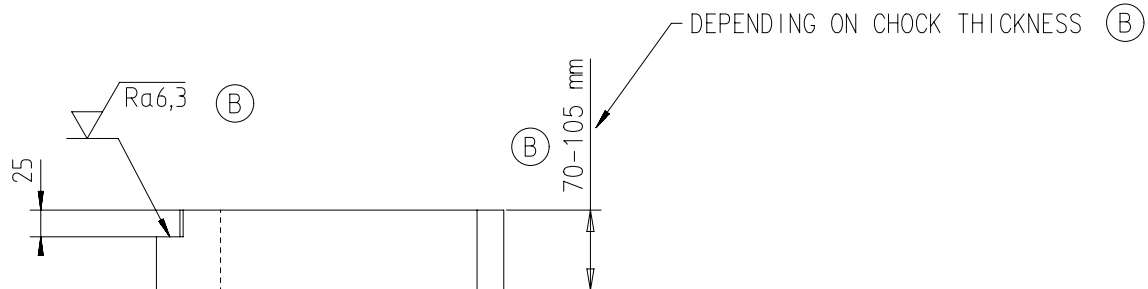
Approved



ⓑ $\sqrt{Ra50}$ ($\sqrt{Ra6,3}$)

Free space for lic.								Q-Code XXXXXX	Main Drw.					
								Standard ISO; JIS						
Modif.	Ⓐ	EAAD083260	30.09.2011	Ⓑ	EAAD091567	23.11.2019	⓪							
	Number		Drawn date	Number		Drawn date	Number	Drawn date	Number					
 Winterthur Gas & Diesel		Product W-2S		ENGINE SIDE STOPPER EXECUTION "FLAME CUT" Motor-Seitenstopper										
Units	mm kg	NX			Basic Material			W-FU-235-JR	Net Weight 27					
SURFACE PROTECTION SEE GROUP 0344		Made	20.09.2010 jba029 Baumann		Scale	1:5		Size	A3	Page	1/1	Material ID	107.411.244.001	
TOLERANCING PRINCIPLE ISO8015		Chkd	23.12.2010 wwr001 Wroblewski		Design Group		9710		Drawing ID		107.411.244		Rev.	B
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	23.12.2010 dst009 Strödecke											

Approved
ILD - INSTALLATION DRAWING - Internal



(B) $\sqrt{Ra50}$ ($\sqrt{Ra6,3}$)

Free space for lic.								Q-Code XXXXXX	Main Drw.
								Standard ISO; JIS	
Modif.	(A) EAAD083260	30.09.2011	(B) EAAD091567	23.11.2019					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
			Product W-2S		ENGINE SIDE STOPPER EXECUTION "FLAME CUT" Motor-Seitenstopper				
Units	mm kg	NX		Basic Material	W-FU-235-JR			Net Weight 27	
SURFACE PROTECTION SEE GROUP 0344			Made	20.09.2010 jba029 Baumann	Scale	1:5	Size	A3	
TOLERANCING PRINCIPLE ISO8015			Chkd	23.12.2010 wwr001 Wroblewski	Design Group	7110		Page	1/1
GENERAL TOLERANCES ACCORDING TO ISO2768-mK			Appd	23.12.2010 dst009 Strödecke	Drawing ID	107.411.245		Material ID	107.411.245.001
								Rev.	B

Approved
Internal DRAWING - INSTALLATION

1 2 3 4

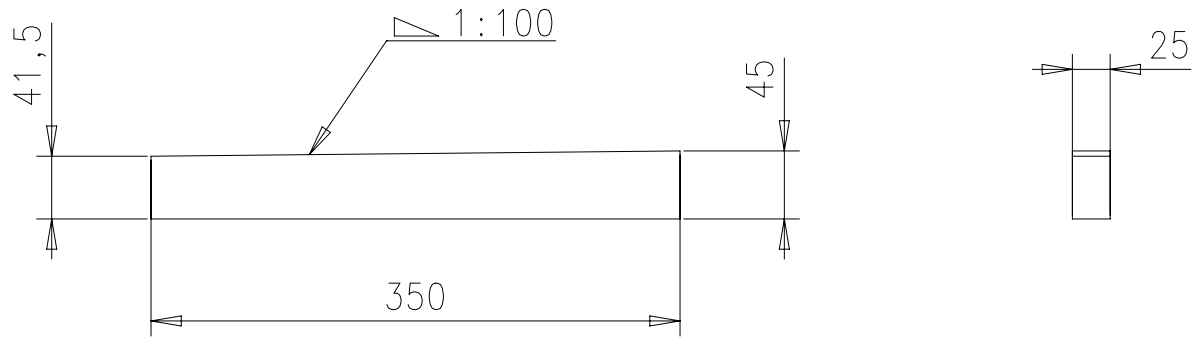
A

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

A

B

B



C

C

D

D

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

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) EAAD083260	30.09.2011	(B) EAAD091567	23.11.2019	(C)		(D)					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date				
		Product W-2S		WEDGE TO ENGINE SIDE STOPPER Schraeger Keil								
Units	mm kg	NX			Basic Material W-FU-235-JR			Net Weight 3				
Made	20.09.2010	jba029	Baumann		Scale	1:5	Size	A4	Page	1/1	Material ID	107.411.233.001
Chkd	23.12.2010	wwr001	Wroblewski		Design Group		Drawing ID	107.411.233		Rev.	B	
Appd	23.12.2010	dst009	Strödecke		9710							

ILD - INSTALLATION DRAWING - Internal

1 2 3 4

MIDS - WinGD X40-B/DF1.0 - ENGINE SEATING and FOUNDATION (DG9710)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-20	DRAWING SET	First web upload
2017-08-18	107.410.789	Spherical round nut drg - new revision
2018-10-18	DAAD073298	Foundation drg – new revision
2019-07-17	DAAD020526 DAAD020531 107.411.235	Side stopper drgs – new revision
2020-02-12	DAAD122058	Main drg. for 7cyl - added
2020-09-07	DAAD073284 DAAD073298 107.398.394 107.380.159 DAAD020451 DAAD020452 107.410.786 107.410.788 107.410.787 107.367.119 107.410.829 DAAD011552 107.411.231 107.411.232 107.411.244 107.411.245 107.411.233	Main and system drgs – new revision

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.