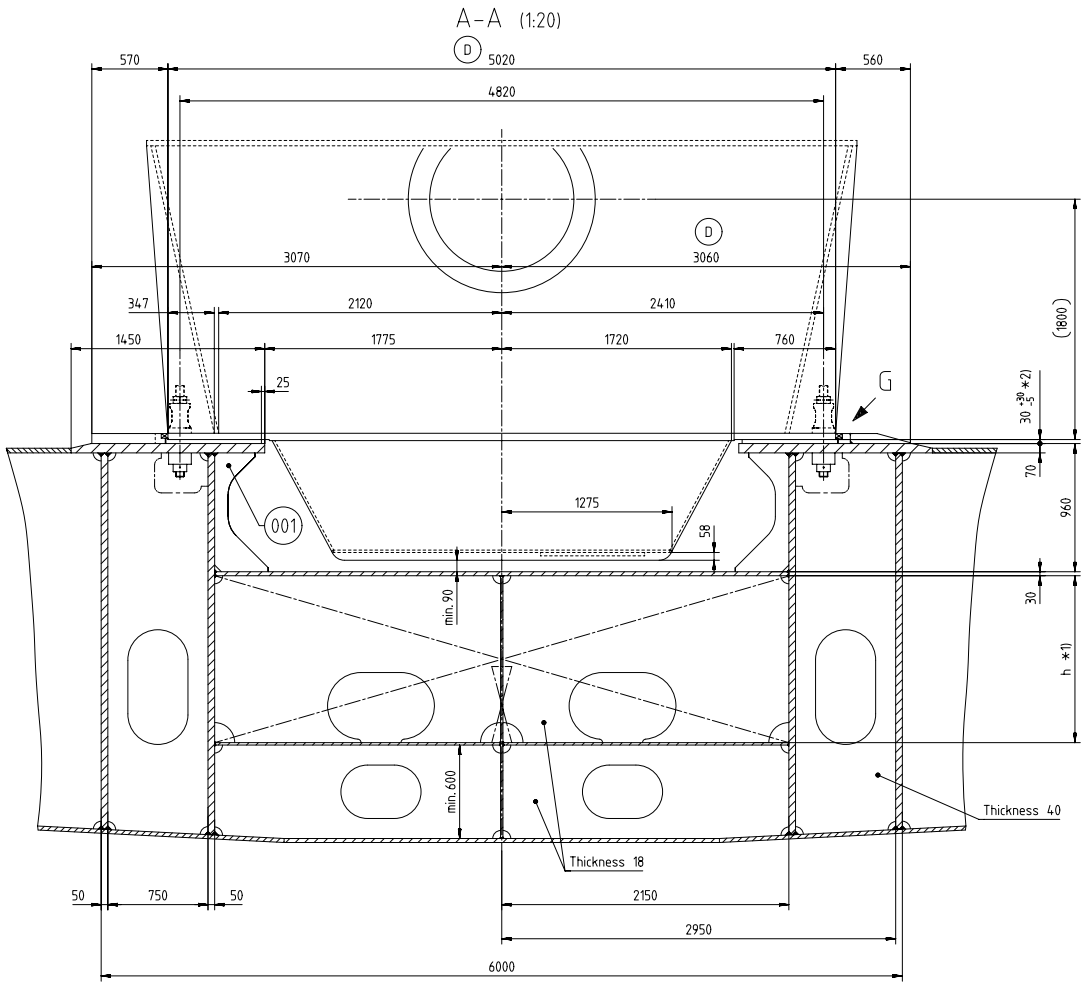
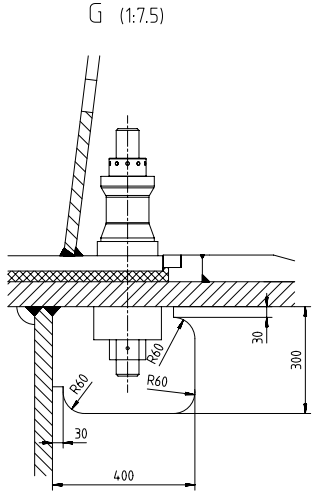
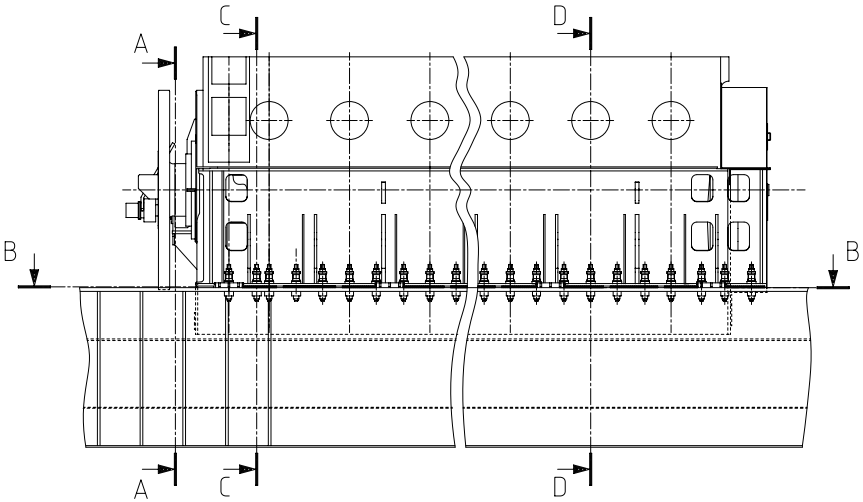
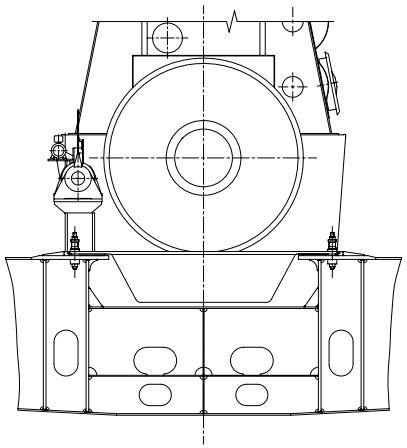








Remarks:

*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.

PAAD133932	6 Cyl	Execution with side stoppers welded type
PAAD133933	6 Cyl	Execution with side stoppers frame-cut type

Net Weight 3724	Net Weight 3457	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
1	1	021	107.379.418.500	FITTING INSTRUCTIONS	107.379.418		0,001
8	8	020	107.246.218.001	WEDGE	107.246.218	St 37-2	6,9
4	-	019	107.395.713.001	ENGINE SIDE STOPPER	107.395.713	W-FU-235-JR	72,6
4	-	018	PAAD110711	ENGINE SIDE STOPPER	107.395.726	W-FU-235-JR	72,6
-	4	017	PAAD319261	ENGINE SIDE STOPPER	DAAD112296		39,2
-	4	016	PAAD110743	ENGINE SIDE STOPPER	107.395.724		39,2
48	48	015	107.367.109.001	PLUG	107.367.109	Rubber750	0,001
10	10	014	107.379.518.001	JOINT DISC	107.379.518	Rubber750	0,05
1	1	013	107.367.119.001	SEALING PIECE	107.367.119		0,001
58	58	012	107.246.418.001	SPHERICAL ROUND NUT M64	107.246.418	34CrMo4	2,6
48	48	011	107.379.510.001	BUSH	107.379.510	34CrMo4;SCM 435	19,0
48	48	010	107.379.514.001	CONICAL SOCKET	107.379.514	34CrMo4;SCM 435	12,5
10	10	009	107.379.517.001	CONICAL SOCKET	107.379.517	34CrMo4;SCM 435	15,8
10	10	008	PAAD109395	SLEEVE	DAAD034362	34CrMo4 SCM 435	14,2
58	58	007	PAAD109428	ELASTIC BOLT	DAAD034380	34CrMo4 SCM 435	13,9
10	10	006	107.379.515.001	BUSH	107.379.515	34CrMo4;SCM 435	14,7
58	58	005	107.380.159.012	ROUND NUT M64	107.380.159	W-FA-42CrMo-QT	2,07
1	1	003	107.398.394.500	EPOXY RESIN	107.398.394		0,001
1	1	001	PAAD207240	RIB	DAAD072229	W-FU-235-JR	51,6

Quantity PER ENGINE | Material ID: PAAD133933 / PAAD133932 | Modif. | Free space for Ic. | Q-Code XXXXX | Standard ISO; JIS | Main Drw. H

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD085172	28.07.2014	B EAAD086197	03.12.2015	C EAAD089112	26.04.2018	D EAAD089996	21.02.2019

Approved

WIN GD Winterthur Gas & Diesel

Product 6X82-B

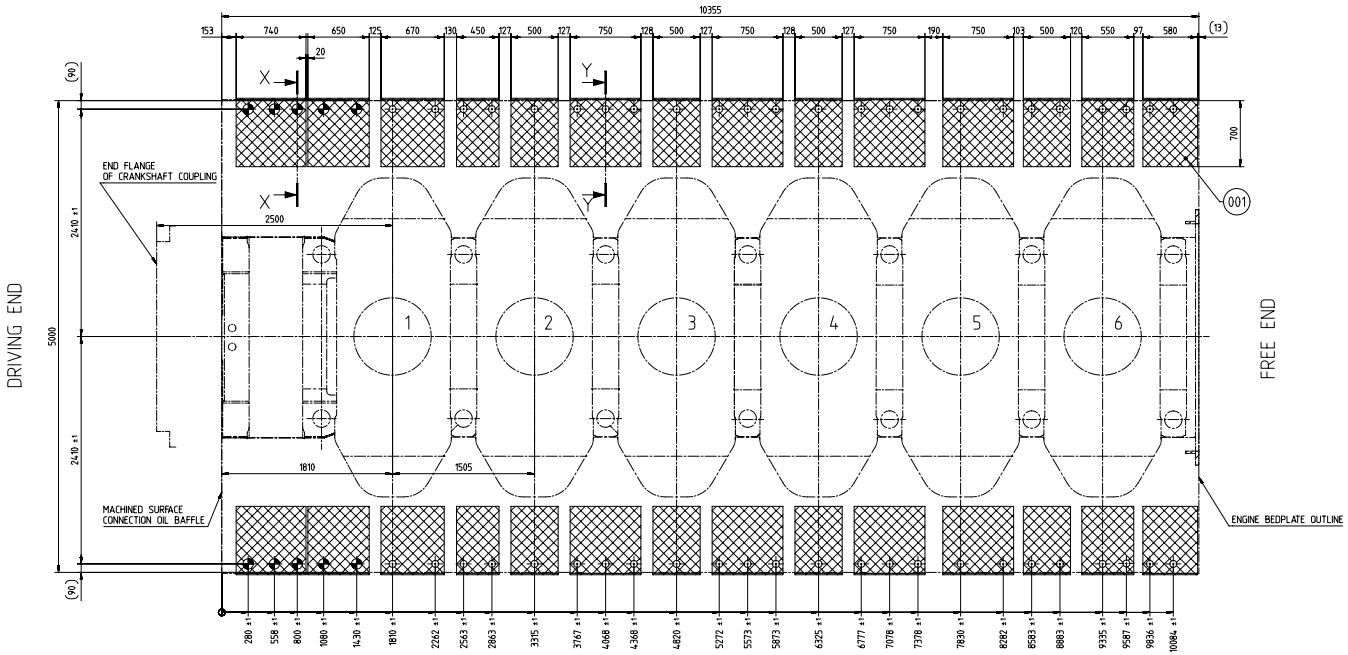
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units mm kg | NX | Basic Material | Net Weight

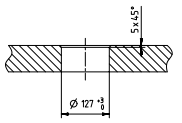
SURFACE PROTECTION SEE GROUP 0344	Made	11.07.2013	mhu019 M.Hug	Scale	1:50	Size A1	Page 1/3
TOLERANCING PRINCIPLE ISO8015	Chkd	18.07.2013	asex06 Sekulic	Design Group	9710	Material ID	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	19.07.2013	bha009 Haag	Drawing ID	DAAD041718	Rev.	D

3D - DIMENSIONAL DRAWING - confidential

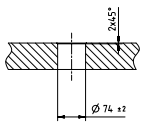
B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



X–X (1:5)
Hole for thrust sleeve



Y–Y (1:5)
Hole for elastic bolt



Remarks:

*1) For the layout is taken into consideration:
- A max. permissible static load of 0.8 N/mm²
- 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 societyrules.

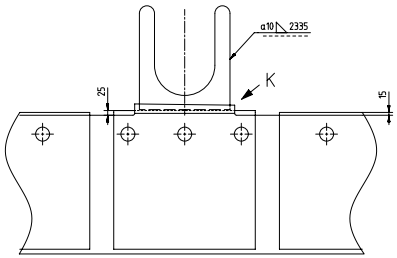
*3) Referring to a standardized chock thickness of 25 up to 60 mm.

(D) Table : Dimensions of epoxy resin chocks *1)

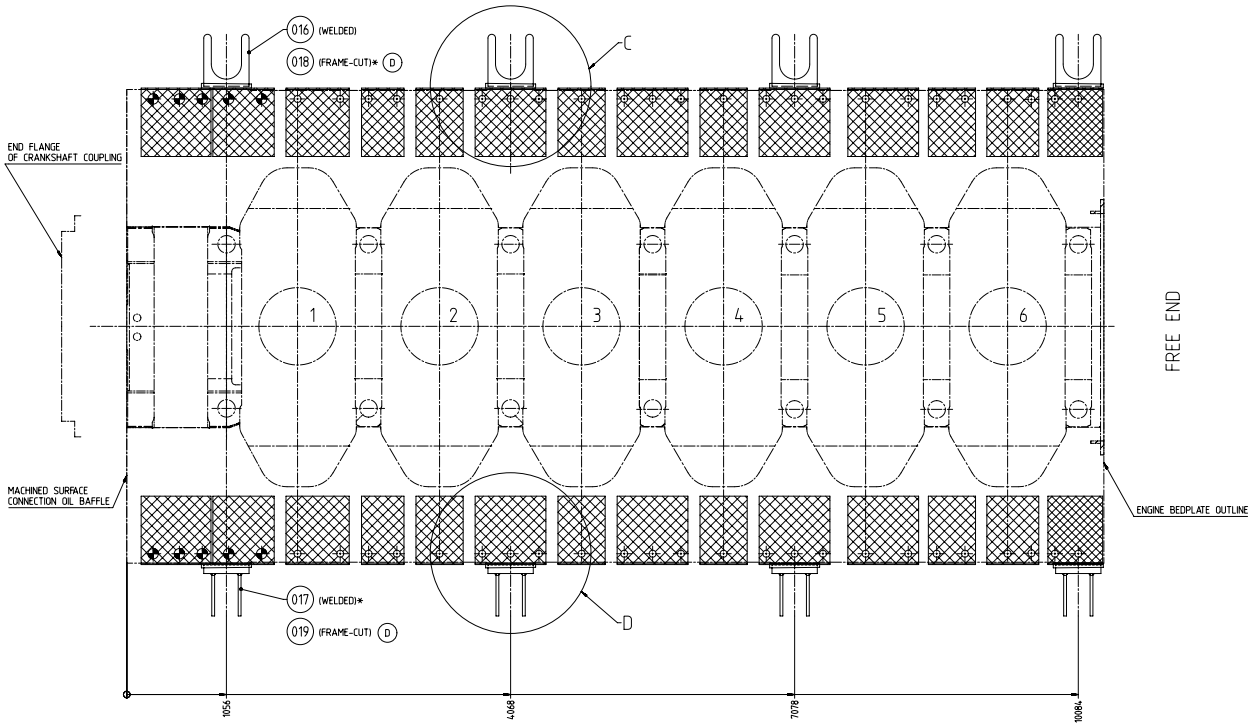
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
				min.	max.
	(N/mm²)	(mm)	(cm²)	(dm³)	
6	4.5	8640	117455	300	720

No. of Cyl.	Total No. of holes	No. of thrust sleeves
6	58	10

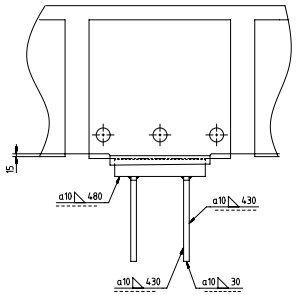
C (1:10)



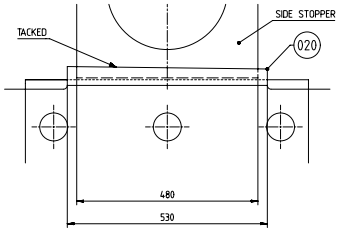
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE



D (1:10)



(D) K (1:5)



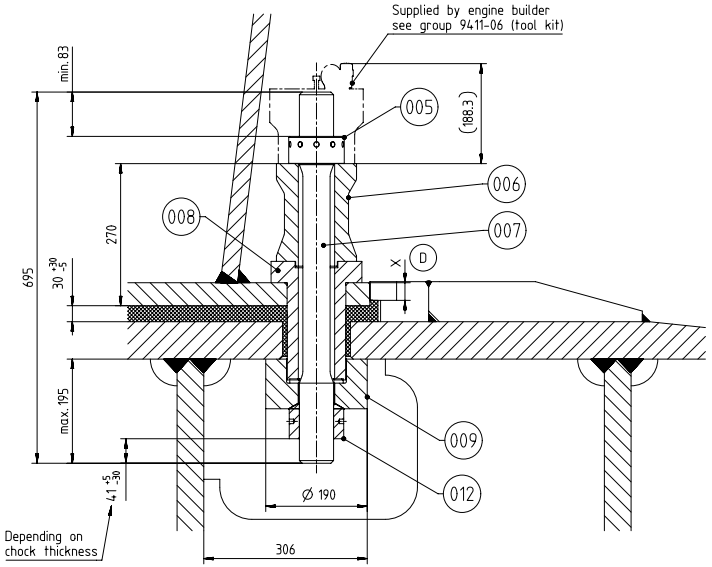
*SHOWN ON DRAWING

Rev. reason by, dc.								G-Code: XXXXX	Main Dr.: H
								Standard: ISO, JIS	
Mod.	A	A.AAD085172	28.07.2014	B	A.AAD086N7	03.12.2015	C	A.AAD089W6	26.04.2018	D	A.AAD089W6	21.02.2019
	Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	

WIN GD Winterthur Gas & Diesel	Product: 6X82-B	ENGINE SEATING/FOUNDATION Foundation Arrangement: STANDARD				
Units: mm kg	NX	Basic Material:				Net Weight
SURFACE PROTECTION SEE GROUP 9344	Made: 11.07.2013 mhu019 M.Hug	Scale: 1:25	Size: A0	Page: 2/3	Material ID:	
TOLERANCING PRINCIPLE ISO8015	Chkd: 18.07.2013 asse06 Sakulic	Design Group: 9710	Drawing ID: DAAD041718			Rev.: D
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd: 19.07.2013 bha009 Haag					

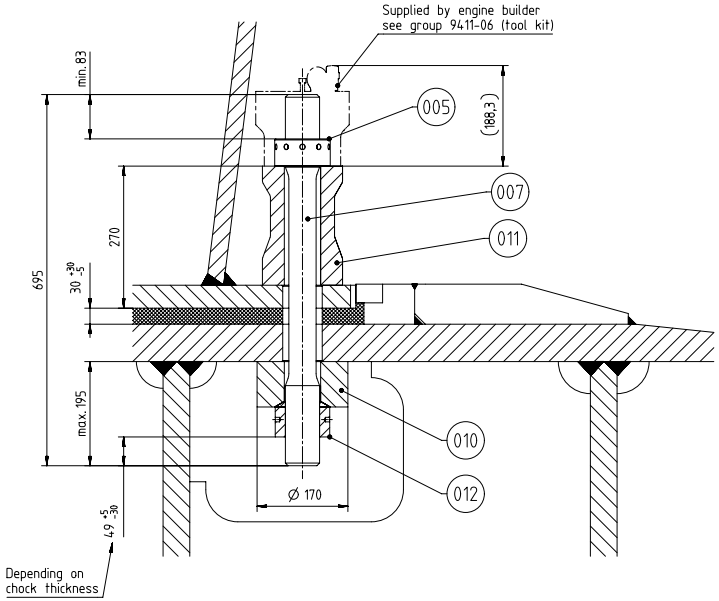
C–C

Arrangement after pouring
the epoxy resin chock



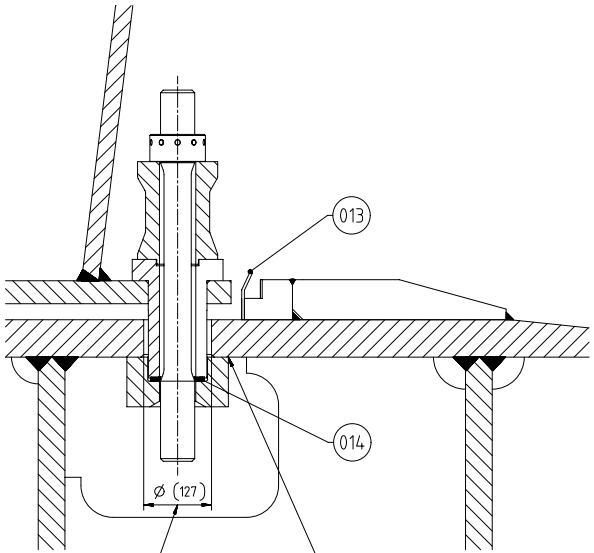
D–D

Arrangement after pouring
the epoxy resin chock



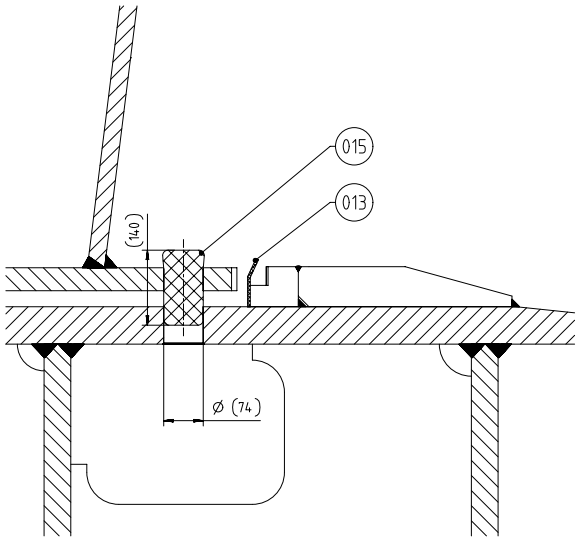
C–C

Arrangement before pouring
the epoxy resin chock



D–D

Arrangement before pouring
the epoxy resin chock



(D) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

	X82-B
X [mm]	Min. 19

Modif.		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
	A	EAAD085172	28.07.2014	B	EAAD086197	03.12.2015	C	EAAD089112	26.04.2018	D	EAAD089996	21.02.2019

Free space for lic.

Q-Code XXXXX
Standard ISO; JIS
Main Drw. H

WIN GD Winterthur Gas & Diesel

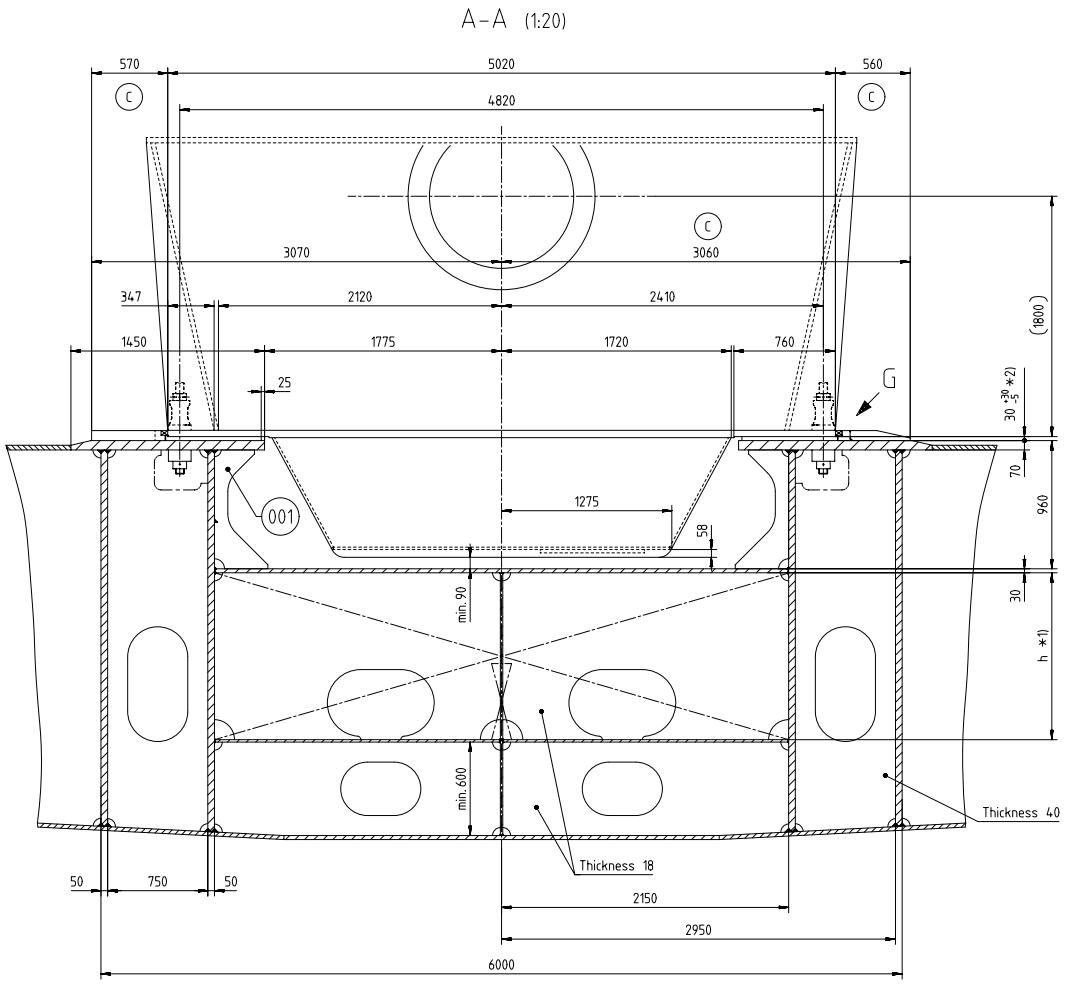
Product 6X82-B

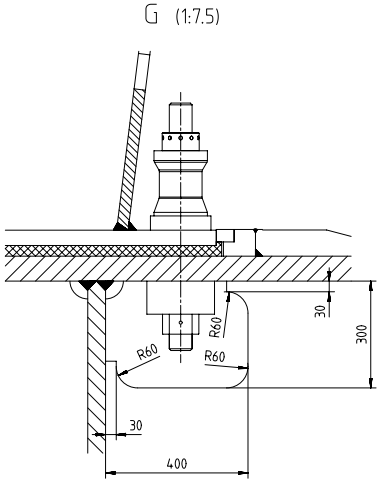
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units	mm kg	NX	Basic Material		Net Weight
SURFACE PROTECTION SEE GROUP 0344	Made	11.07.2013	mhu019 M.Hug	Scale 1:5	Size A1	Page 3/3	Material ID
TOLERANCING PRINCIPLE ISO8015	Chkd	18.07.2013	asex06 Sekulic	Design Group 9710			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	19.07.2013	bha009 Haag	Drawing ID DAAD041718			Rev. D

Approved

3D - DIMENSIONAL DRAWING - Confidential





Remarks:

*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30^{+30}_{-5}
- Final chock thickness to be determined by shipyard.

PAAD109514	7 Cyl	Execution with side stoppers welded type
PAAD109515	7 Cyl	Execution with side stoppers frame-cut type

Net Weight 4284	Net Weight 3950	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
1	1	021	107.379.418.500	FITTING INSTRUCTIONS	107.379.418		0,001
10	10	020	107.246.218.001	WEDGE	107.246.218	St 37-2	6,9
5	-	019	107.395.713.001	ENGINE SIDE STOPPER	107.395.713	W-FU-235-JR	72,6
5	-	018	PAAD110711	ENGINE SIDE STOPPER	107.395.726	W-FU-235-JR	72,6
-	5	017	PAAD319261	ENGINE SIDE STOPPER	DAAD112296		39,2
-	5	016	PAAD110743	ENGINE SIDE STOPPER	107.395.724		39,2
56	56	015	107.367.109.001	PLUG	107.367.109	Rubber750	0,001
10	10	014	107.379.518.001	JOINT DISC	107.379.518	Rubber750	0,05
1	1	013	107.367.119.001	SEALING PIECE	107.367.119		0,001
66	66	012	107.246.418.001	SPHERICAL ROUND NUT M64	107.246.418	34CrMo4	2,6
56	56	011	107.379.510.001	BUSH	107.379.510	34CrMo4;SCM 435	19,0
56	56	010	107.379.514.001	CONICAL SOCKET	107.379.514	34CrMo4;SCM 435	12,5
10	10	009	107.379.517.001	CONICAL SOCKET	107.379.517	34CrMo4;SCM 435	15,8
10	10	008	PAAD109395	SLEEVE	DAAD034362	34CrMo4 SCM 435	14,2
66	66	007	PAAD109428	ELASTIC BOLT	DAAD034380	34CrMo4 SCM 435	13,9
10	10	006	107.379.515.001	BUSH	107.379.515	34CrMo4;SCM 435	14,7
66	66	005	107.380.159.012	ROUND NUT M64	107.380.159	W-FA-42CrMo-QT	2,07
1	1	003	107.398.394.500	EPOXY RESIN	107.398.394		0,001
1	1	001	PAAD207240	RIB	DAAD072229	W-FU-235-JR	51,6

Quantity PER ENGINE: PAAD109515 / PAAD109514 — Material ID

Modif. | Free space for Mc. | Q-Code XXXXX | Standard ISO; JIS | Main Drw. H

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
C	EAAD084335	07.01.2013	A EAAD086197	03.12.2015	B EAAD086766	15.09.2016	C EAAD089996	21.02.2019

Approved

WIN GD Winterthur Gas & Diesel

Product W7X82-B

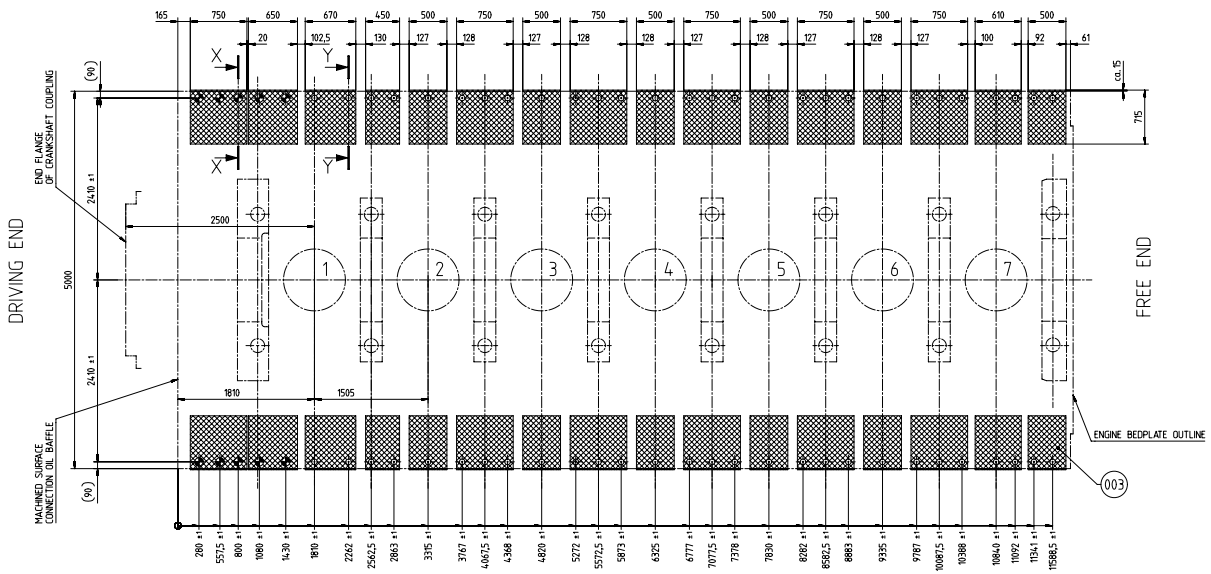
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units mm kg | NX | Basic Material | Net Weight

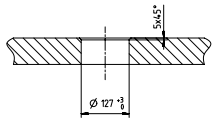
SURFACE PROTECTION SEE GROUP 0344	Made	10.12.2012	mst041 M. Stutz	Scale 1:50	Size A1
TOLERANCING PRINCIPLE ISO8015	Chkd	11.12.2012	wwr001 Wroblewski	Design Group 9710	Page 1/3
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	13.12.2012	bha009 Haag	Drawing ID DAAD034406	Material ID / Rev. C

3D - DIMENSIONAL DRAWING - confidential

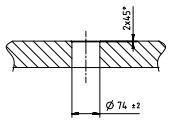
B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



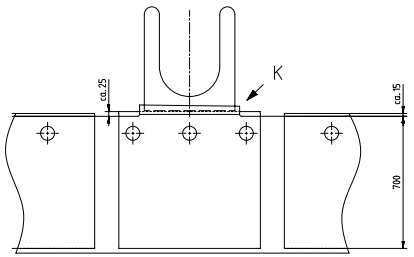
X-X (1:7.5)
Hole for thrust sleeve



Y-Y (1:7.5)
Hole for elastic bolt



C (1:10)



Remarks:

*1) For the layout is taken into consideration:
- A max. permissible static load of 0.8 N/mm²,
- 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 society/rules.

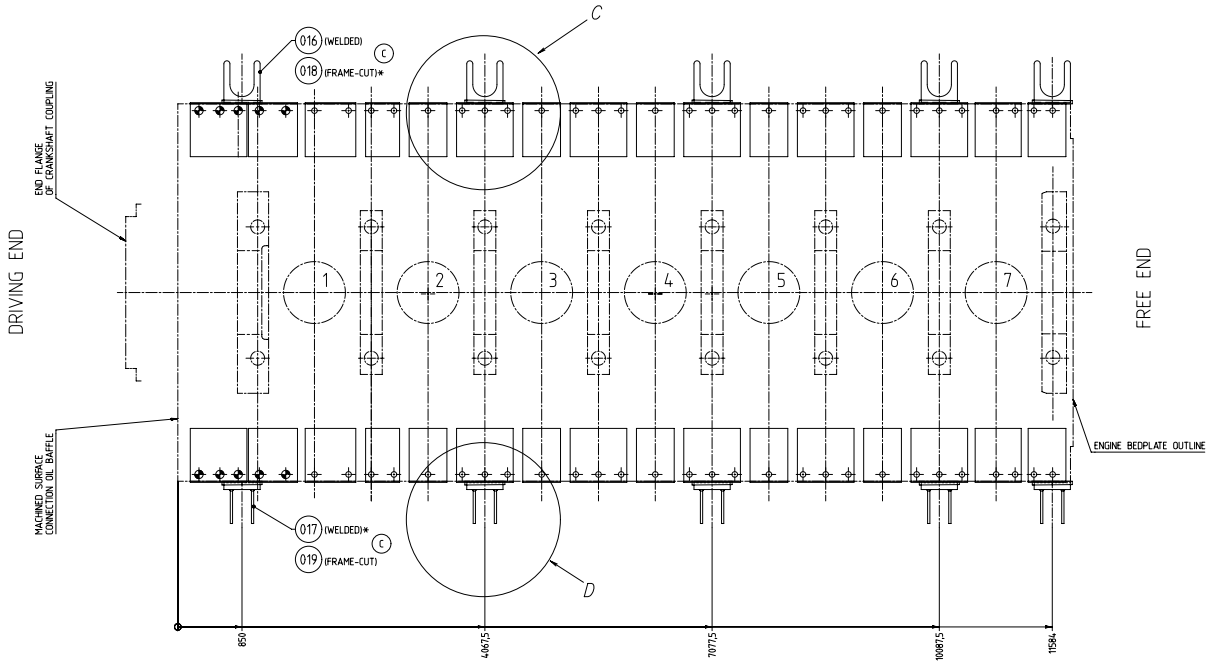
*3) Referring to a standardized chock thickness of 25 up to 60 mm.

Table : Dimensions of epoxy resin chocks *1)

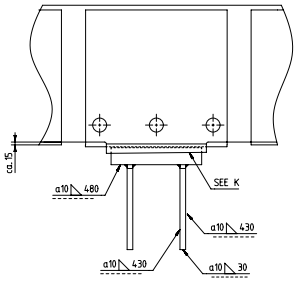
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
				min.	max.
	(N/mm²)	(mm)	(cm²)	(dm³)	
7	4.5	9880	137416	344	824

No. of Cyl.	Total No. of holes	No. of thrust sleeves
7	66	10

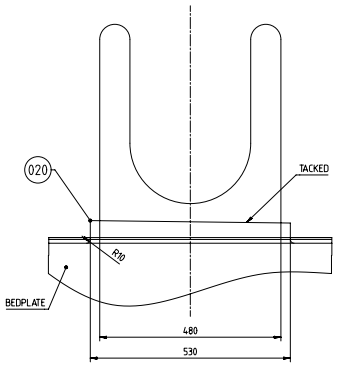
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE



D (1:10)



K (1:5)



*SHOWN ON DRAWING

Prev. issues for ref.								G-Code: XXXXX	Main Dr.-No.: H
								Standard: ISO, JIS	
Mod.	C	EAAD086395	07.01.2013	A	EAAD086197	03.12.2015	B	EAAD086766	15.09.2016	C	EAAD089996	21.02.2019
	Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	

Product: W7X82-B

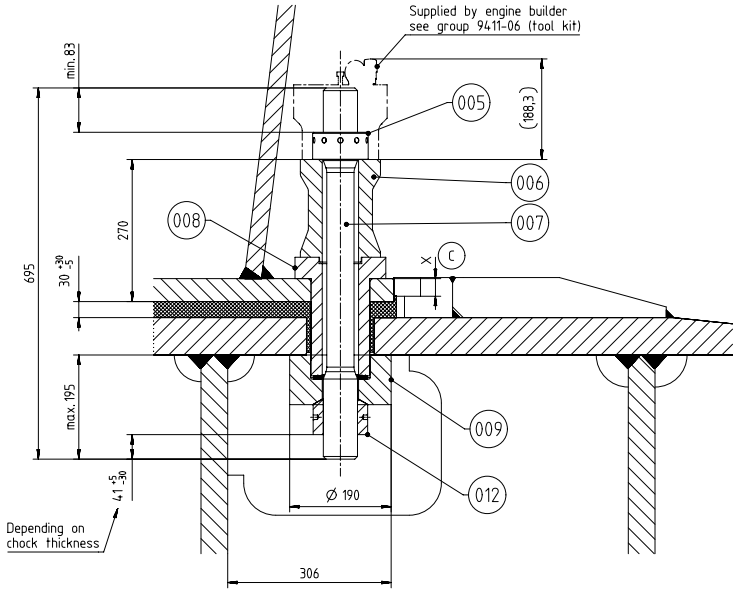
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units: mm kg	NX		Basic Material:			Net Weight:	
Made: 10.12.2012	mst041 M. Stutz		Scale: 1:25	Size: A0	Page: 2/3	Material: D	
Chkd: 11.12.2012	wwr001 Wroblewski		Design Group: 9710	Drawing ID: DAAD034406		Rev.: C	
Appd: 13.12.2012	bha009 Haag						

SURFACE PROTECTION: SEE GROUP 9744
TOLERANCING PRINCIPLE: ISO8015
GENERAL TOLERANCES ACCORDING TO: ISO2768-mK

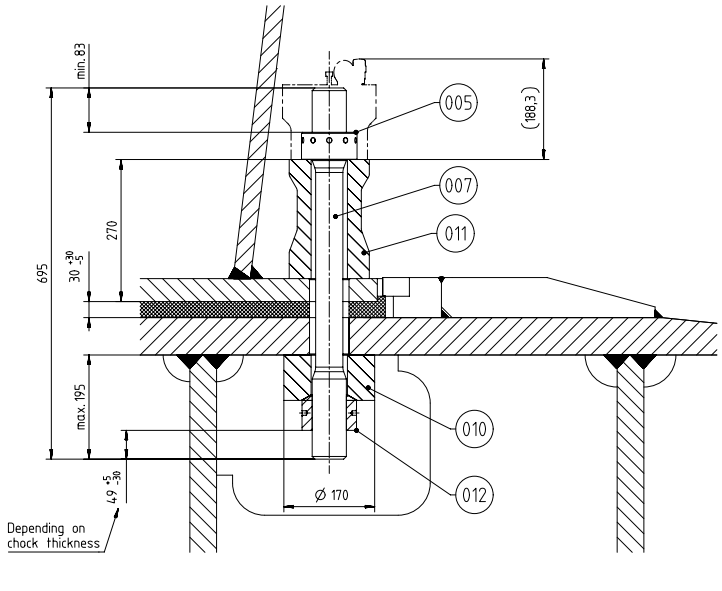
C-C

Arrangement after pouring
the epoxy resin chock



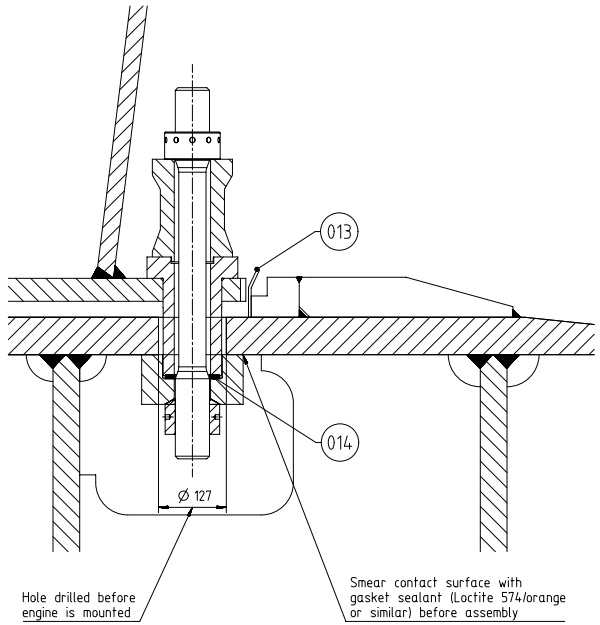
D-D

Arrangement after pouring
the epoxy resin chock



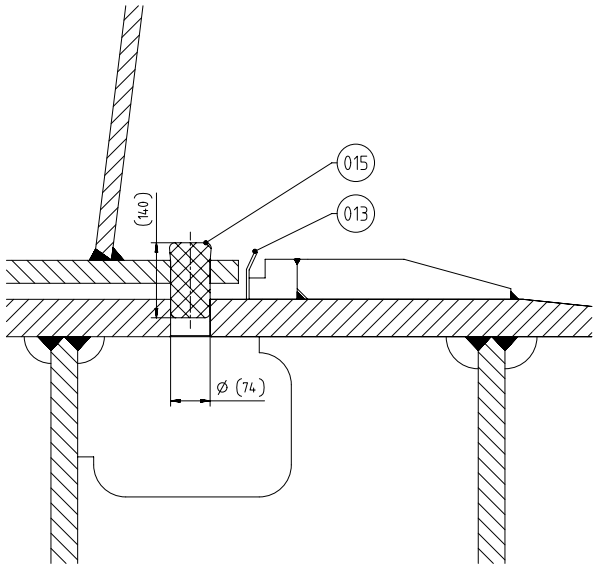
C-C

Arrangement before pouring
the epoxy resin chock



D-D

Arrangement before pouring
the epoxy resin chock



(C) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

	X82-B
X [mm]	Min. 19

Modif.		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
	(-)	EAAD084335	07.01.2013	(A)	EAAD086197	03.12.2015	(B)	EAAD086766	15.09.2016	(C)	EAAD089996	21.02.2019

Free space for Nr.

Q-Code: XXXXX
Standard: ISO; JIS
Main Drw.: H

WIN GD Winterthur Gas & Diesel

Product: W7X82-B

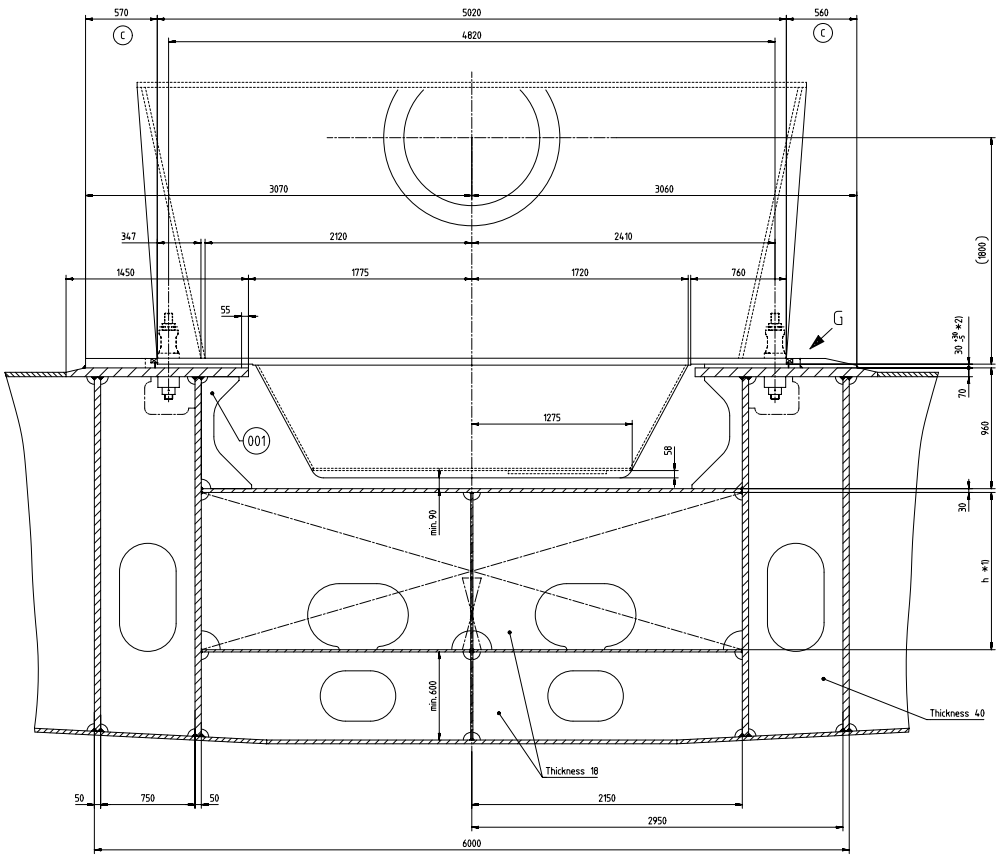
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units	mm kg	NX	Basic Material	Net Weight
SURFACE PROTECTION SEE GROUP 0344	Made	10.12.2012	mst041 M. Stutz	Scale 1:5
TOLERANCING PRINCIPLE ISO8015	Chkd	11.12.2012	wwr001 Wroblewski	Design Group 9710
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	13.12.2012	bha009 Haag	Size A1 · Page 3/3 · Material ID

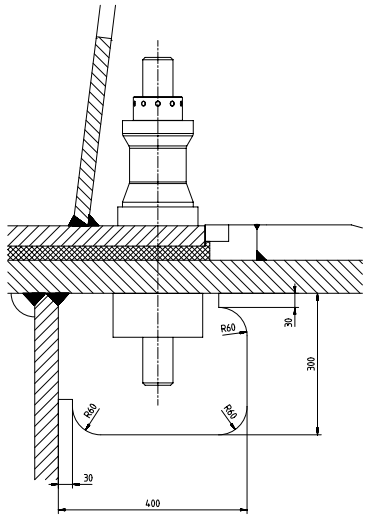
Drawing ID: DAAD034406 · Rev. C

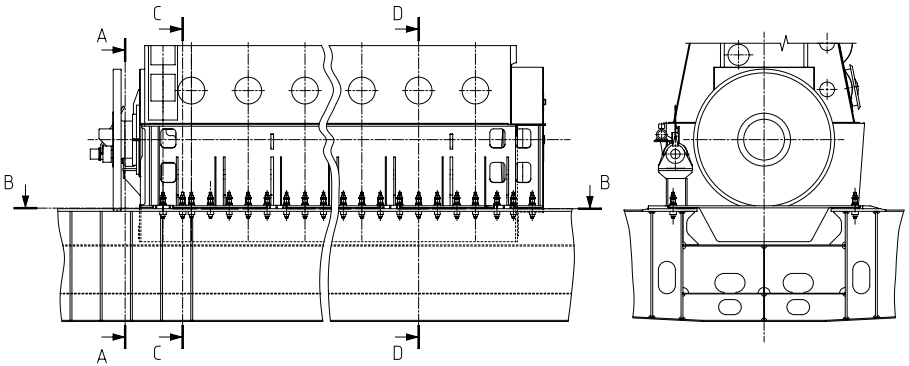
3D - DIMENSIONAL DRAWING - Confidential - Approved

A-A (1:15)



G (1:4)





Remarks:

*1) Height to be determined by shipyard. For dimensions layout of lub. oil drain tank and drains refer to design group 9722.

*2) Chock thickness 30^{+20}_{-5}
- Final chock thickness to be determined by shipyard.

PAAD127651	9 Cyl	Execution with side stoppers welded type
PAAD127652	9 Cyl	Execution with side stoppers frame-cut type

Net Weight 5697	Net Weight 5297	Pos.	Material ID	Material Name / Dimension, Qty	Drawing or Standard	Basic Material Material Standard	Weight GR/NET
1	1	021	107.379.418.500	FITTING INSTRUCTIONS	107.379.418		0,001
12	12	020	107.246.218.001	WEDGE	107.246.218	St 37-2	6,9
6	-	019	107.395.713.001	ENGINE SIDE STOPPER	107.395.713	W-FU-235-JR	72,6
6	-	018	PAAD110711	ENGINE SIDE STOPPER	107.395.726	W-FU-235-JR	72,6
-	6	017	PAAD319261	ENGINE SIDE STOPPER	DAAD112296		39,2
-	6	016	PAAD110743	ENGINE SIDE STOPPER	107.395.724		39,2
76	76	015	107.367.109.001	PLUG	107.367.109	Rubber-750	0,001
14	14	014	107.379.518.001	JOINT DISC	107.379.518	Rubber-750	0,05
1	1	013	107.367.119.001	SEALING PIECE	107.367.119		0,001
90	90	012	107.246.418.001	SPHERICAL ROUND NUT M64	107.246.418	34CrMo4	2,6
76	76	011	107.379.510.001	BUSH	107.379.510	34CrMo4,SEM 435	19,0
76	76	010	107.379.514.001	CONICAL SOCKET	107.379.514	34CrMo4,SEM 435	12,5
14	14	009	107.379.517.001	CONICAL SOCKET	107.379.517	34CrMo4,SEM 435	15,8
14	14	008	PAAD109395	SLEEVE	DAAD034362	34CrMo4 SEM 435	14,2
90	90	007	PAAD109428	ELASTIC BOLT	DAAD034380	34CrMo4 SEM 435	13,9
14	14	006	107.379.515.001	BUSH	107.379.515	34CrMo4,SEM 435	14,7
90	90	005	107.380.159.012	ROUND NUT M64	107.380.159	W-PA-420Mo-QT	2,07
1	1	003	107.398.394.500	EPOXY RESIN	107.398.394		0,001
1	1	001	PAAD207240	RIB	DAAD072229	W-FU-235-JR	51,6

Quantity PER ENGINE | BOM NO | Material ID | Material Name / Dimension, Qty | Drawing or Standard | Basic Material Material Standard | Weight GR/NET

PAAD127652 PAAD127651 — Applied for Engine

Index	Material ID	Number	Drawn date
C	EAAD086424		19.07.2013
A	EAAD086197		03.12.2015
B	EAAD086766		15.09.2016
C	EAAD089996		22.02.2019

Main Drw.: H

Q-Code: XXXXX
Standard: ISO, JIS

Product: W9X82-B

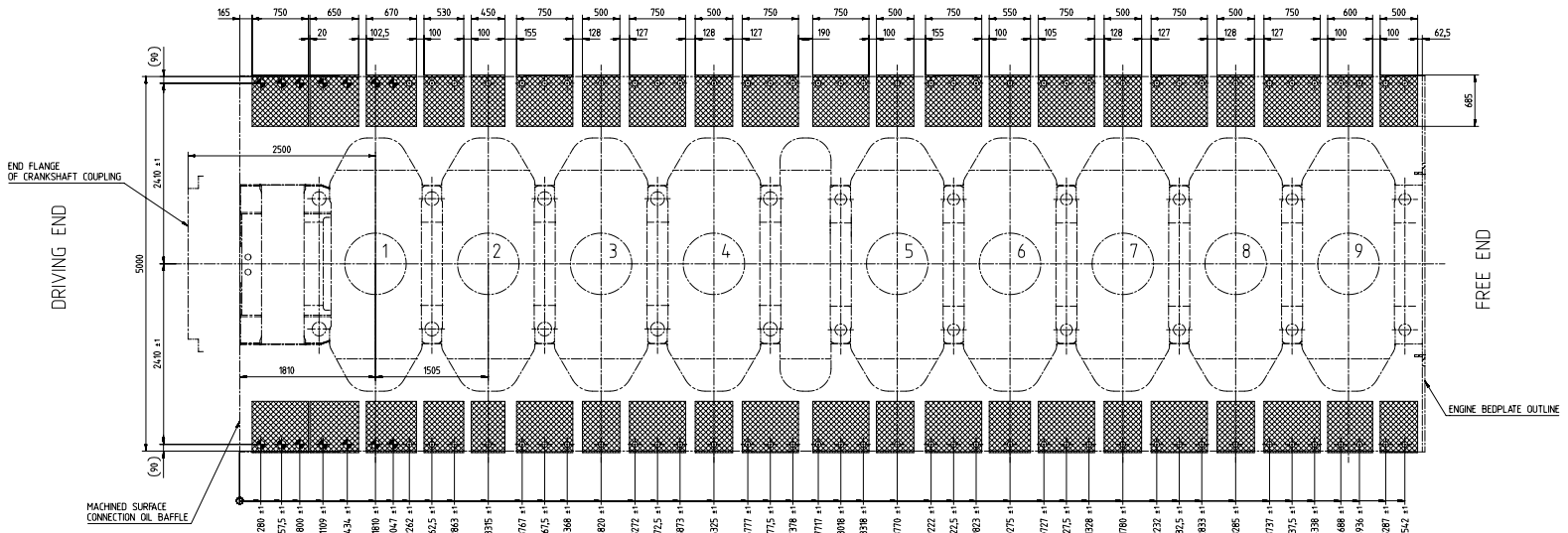
ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

WINGD Winterthur Gas & Diesel

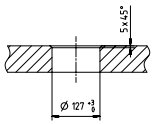
Units	mm kg	NX		Basic Material	Net Weight
Made	31.05.2013	mhu019	M.Hug	Scale 1:50	Size A0
Chkd	15.07.2013	bha009	Haag	Design Group ID 9710	Page 1/3
Appd	17.07.2013	bha009	Haag	Drawing ID DAAD039913	Material ID
					Rev. C

SURFACE PROTECTION: SEE GROUP 9344
TOLERANCING PRINCIPLE: ISO8015
GENERAL TOLERANCES ACCORDING TO: ISO2768-mK

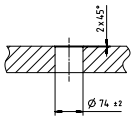
B-B CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS



X-X (1:5)
Hole for thrust sleeve



Ⓒ Y-Y (1:5)
Hole for elastic bolt



Remarks:

*1) For the layout is taken into consideration:
- A max. permissible static load of 0.8 N/mm² .
- 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 societyrules.

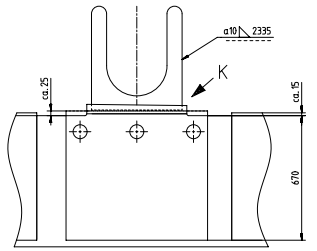
*3) Referring to a standardized chock thickness of 25 up to 60 mm.

Table : Dimensions of epoxy resin chocks *1)

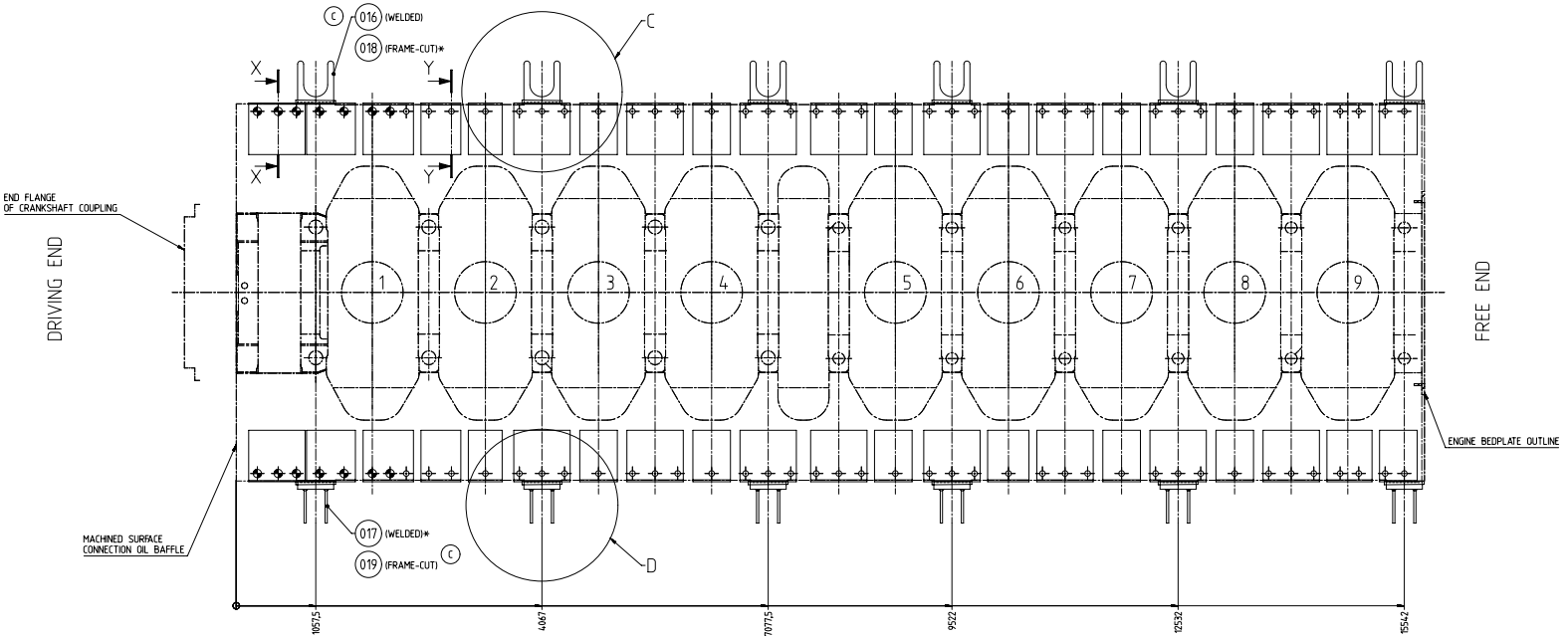
No. of Cyl.	Max. perm. mean surface pressure of chock *2)	Total chock length	Total net chocking area	Required quantity of epoxy resin material *3)	
				min.	max.
	(N/mm²)	(mm)	(cm²)	(dm³)	
9	4,5	13200	175534	439	1053

No. of Cyl.	Total No. of holes	No. of thrust sleeves
9	90	14

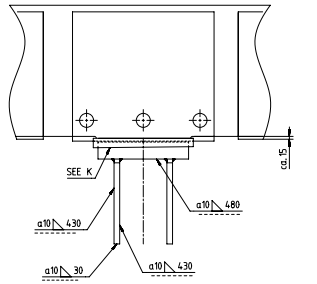
C (1:10)



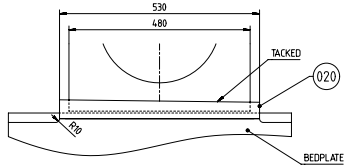
B-B ENGINE SIDE STOPPER ARRANGEMENT WITH FLAME-CUT OR WELDED TYPE



D (1:10)



K (1:5)



Rev.	Rev. made for	Number	Drawn date	Number	Drawn date	Number	Drawn date
		Ⓒ DAAD086424	19.07.2013	Ⓐ DAAD086917	03.12.2015	Ⓑ DAAD086766	15.09.2016
		Ⓒ DAAD089996	22.02.2019				

Q-Code: XXXXX
Standard: ISO, JIS
Main Drw.: H

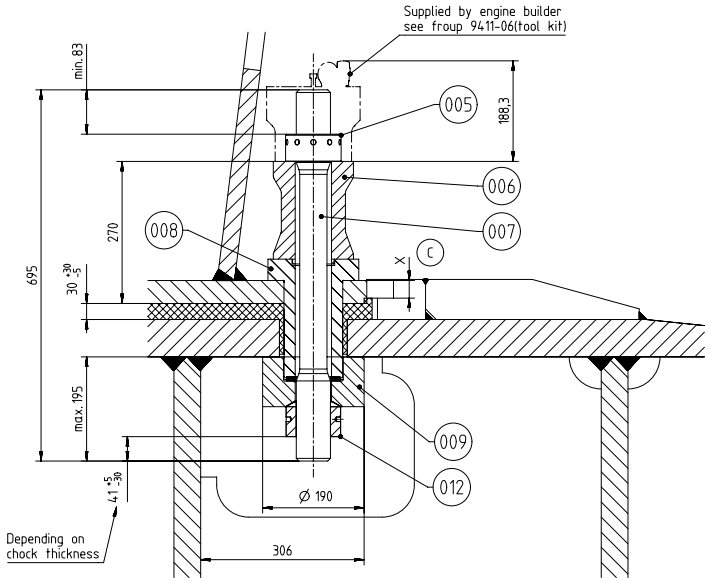
Product: W9X82-B

ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units	mm kg	NX		Basic Material:	Net Weight
SURFACE PROTECTION SEE GROUP 9744	Made	31.05.2013	mhu019 M.Hug	Scale 1:25	Size A0
TOLERANCING PRINCIPLE ISO8015	Chkd	15.07.2013	bha009 Haag	Design Group	Page 2/3
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	17.07.2013	bha009 Haag	9710	Material ID
				Drawing ID DAAD039913	Rev. C

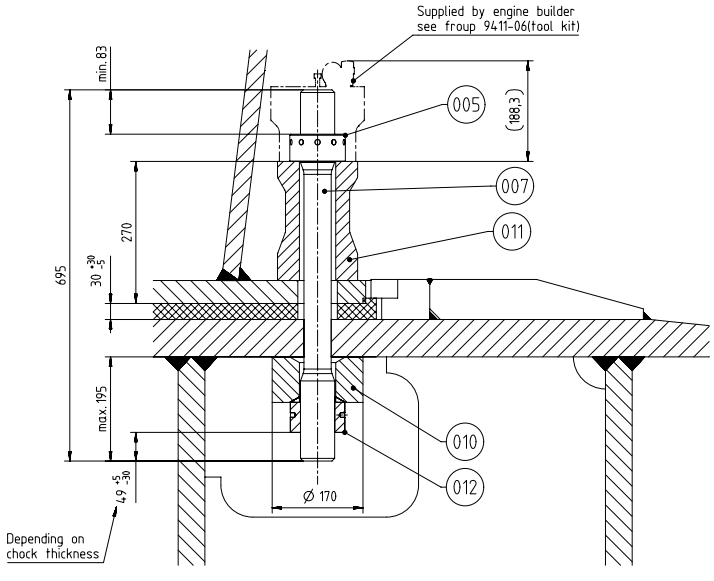
C-C

Arrangement after pouring
the epoxy resin chock



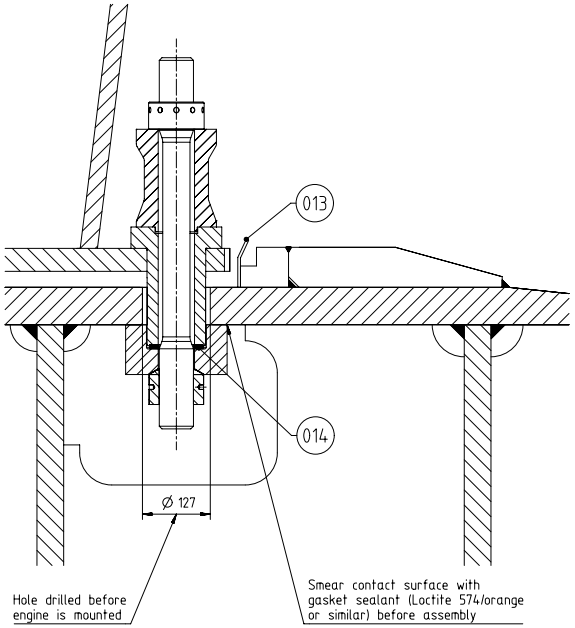
D-D

Arrangement after pouring
the epoxy resin chock



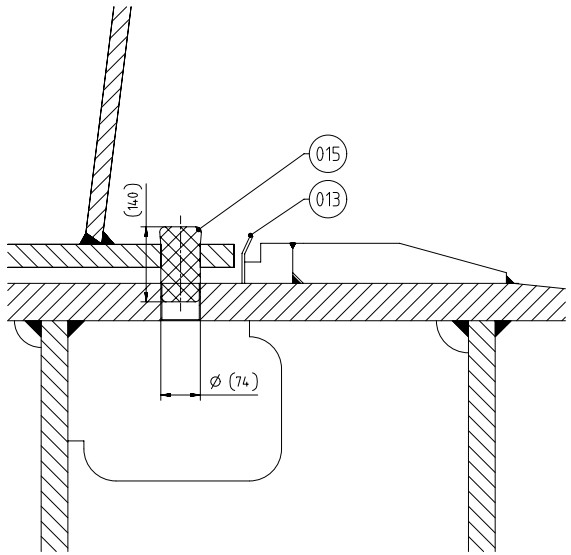
C-C

Arrangement before pouring
the epoxy resin chock



D-D

Arrangement before pouring
the epoxy resin chock



(C) CONTACT SURFACE BETWEEN WEDGE AND ENGINE BEDPLATE

	X82-B
X [mm]	Min. 19

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
-	EAAD084624	19.07.2013	A EAAD086197	03.12.2015	B EAAD086766	15.09.2016	C EAAD089996	22.02.2019

Free space for lic.

Q-Code XXXXX

Standard ISO; JIS

Main Drw. H

WIN GD Winterthur Gas & Diesel

Product W9X82-B

ENGINE SEATING/FOUNDATION
Foundation Arrangement: STANDARD

Units	mm kg	NX	Basic Material			Net Weight
Made	31.05.2013	mhu019 M.Hug	Scale	1:5	Size A1	Page 3/3
Chkd	15.07.2013	bha009 Haag	Design Group	9710	Material ID	
Appd	17.07.2013	bha009 Haag	Drawing ID	DAAD039913	Rev.	C

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

Approved

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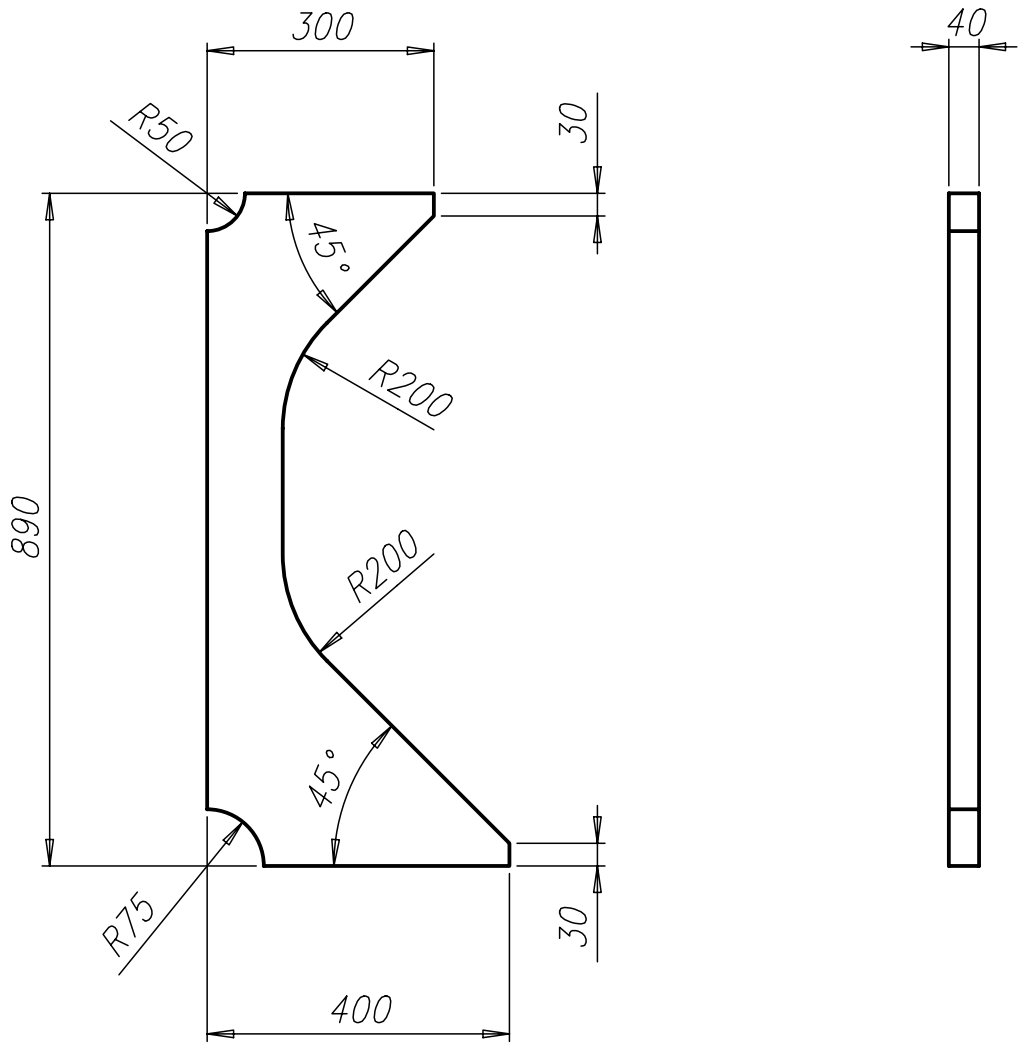
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



Free space for lic.

Q-Code XXXXX

Standard ISO JIS

Main Drw.

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

WIN GD Winterthur Gas & Diesel

Product W-2S

RIB

Rippe

Units	mm kg	IDE	Basic Material	W-FU-235-JR	Net Weight	51.6

Made	02.11.2015 dki021 DH.Kim	Scale 1:10	Size A4	Page 1/1	Material ID	PAAD207240
Chkd	25.11.2015 mhu019 Hug	Design Group 9710	Drawing ID	DAAD072229	Rev.	–
Appd	25.11.2015 bha009 Haag					

Approved

DID - DIMENSIONAL DRAWING - Confidential

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. 50×10^{-6} 1/K
Coefficient of friction normal		min. 0.3

Required properties of epoxy resin material

Approved

Free space for lic.

Q-Code: XQXXX

Standard: ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD091567	04.12.2019						

WIN GD Winterthur Gas & Diesel

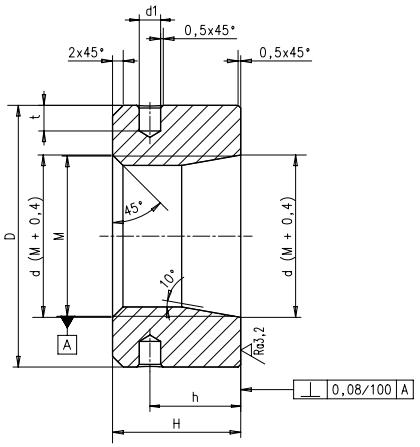
Product: W-2S

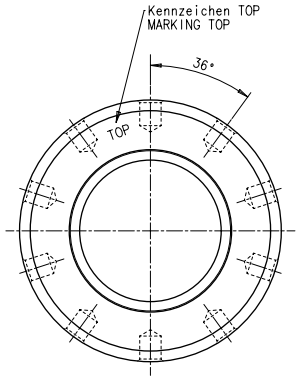
EPOXY RESIN

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

DID - DIMENSIONAL DRAWING - Confidential





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

Ra6,3 (Ra3,2)

MATERIAL:	W-FA-42CrMo-QT
D >40 - ≤100	verguetet QUENCH HARDENED AND TEMPERED Rm = 900^{+200}_{0} N/mm²
D >100 - ≤160	verguetet QUENCH HARDENED AND TEMPERED Rm = 800^{+150}_{0} N/mm²
D >160 - ≤250	verguetet QUENCH HARDENED AND TEMPERED Rm = 750^{+150}_{0} N/mm²

QTY	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
1	022	PAAD220851	ROUND NUT M110	107.380.159	W-FA-42CrMo-QT	11,3
1	021	PAAD293012	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

Free space for Mc | Q-Code XQXXX | Standard ISO; JIS | Main Drw.

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

Approved

WINGD Winterthur Gas & Diesel

Product: W-2S

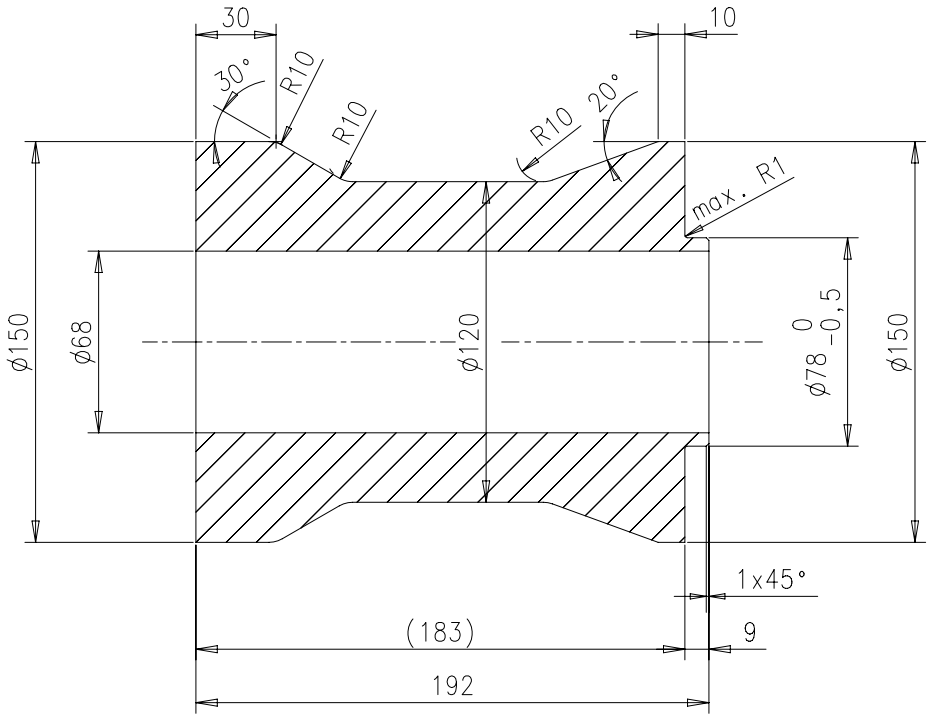
ROUND NUT

Rundmutter

Units: mm kg | NX | Basic Material | Net Weight

SURFACE PROTECTION SEE GROUP 0344	Made	18.12.2006	J.RIETMANN	Scale	1:1	Size A1 / Page 1/1 / Material ID
TOLERANCING PRINCIPLE ISO8015	Chkd			Design Group	3306	Drawing ID 107.380.159 / Rev. D
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	16.05.2007	ESC002 Schlegel			

3D - DIMENSIONAL DRAWING - confidential



SHARP EDGES REMOVED 0.2x45°

A

Ra6,3

Free space for lic.									Q-Code XXXXX	Main Drw.	
									Standard ISO; JIS		
Modif.	A	EAAD091567	26.11.2019								
		Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date		

WIN GD Winterthur Gas & Diesel

Product W-2S

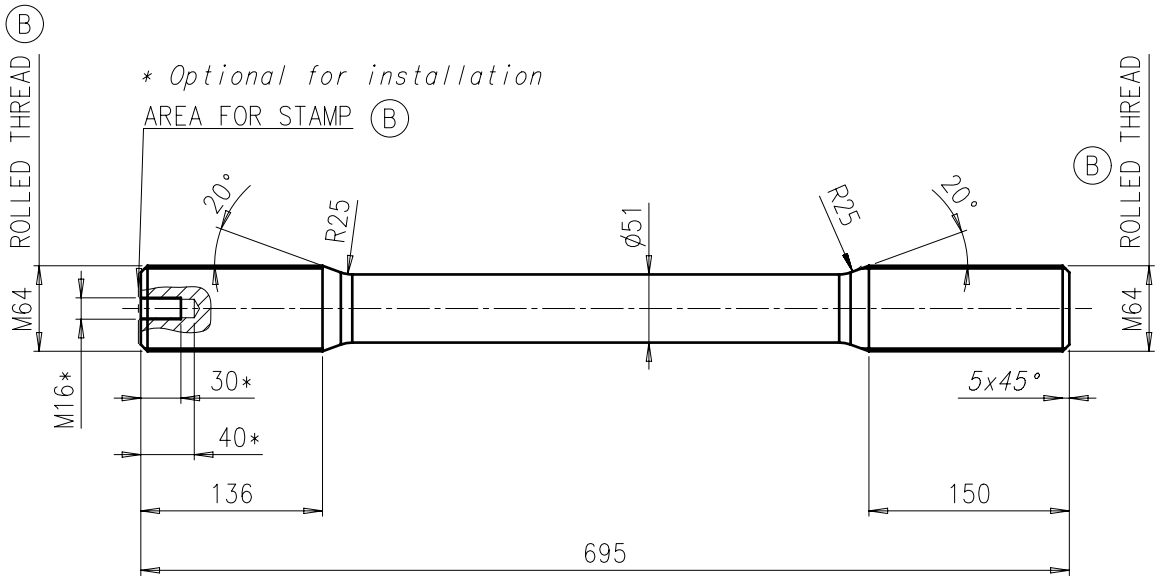
BUSH

Buechse

Units mm kg	NX	Basic Material W-FA-34CrMo-QT			Net Weight 14,7
SURFACE PROTECTION SEE GROUP 0344	Made 06.12.2006 M.PRSTEC	Scale 1:2	Size A3	Page 1/1	Material ID 107.379.515.001
TOLERANCING PRINCIPLE ISO8015	Chkd	Design Group 9710	Drawing ID 107.379.515		Rev. A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 19.12.2006 SNA001				

Approved

DID - DIMENSIONAL DRAWING - Confidential



B Ra3,2

MACHINED BEFORE THREAD ROLLING

QUENCH HARDENED AND TEMPERED, Rm = 800 $^{+150}_{0}$ N/mm ^{2}

YIELD POINT Re = min. 550 N/mm ^{2}

ELONGATION AT BREAK A(Lo = 5do) = min. 14%

IMPACT ENERGY ISO-V = 45J (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	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 DETECTION TEST	INSPECTION CERTIFICATE 3.1* (INDEPENDENT AUTHORITY)	EXAMINATION OF EACH PART

QTY	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
1	001	107.427.450.200	MATERIAL AND TEST SPECIFICATION ELASTIC BOLT	107.427.450		0,006

Approved

Free space for lic.

Q-Code 1QXP1

Standard ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD087209	09.06.2017	B EAAD091567	26.11.2019				

WIN GD Winterthur Gas & Diesel

Product W-2S

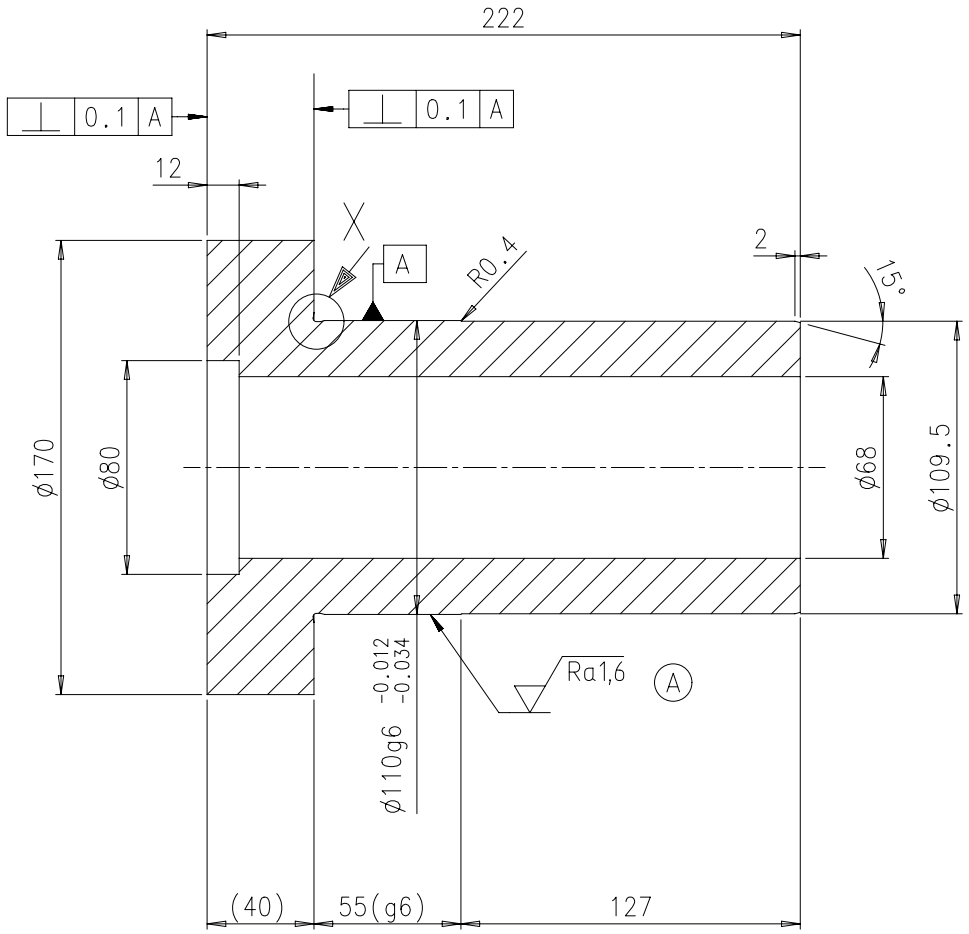
ELASTIC BOLT

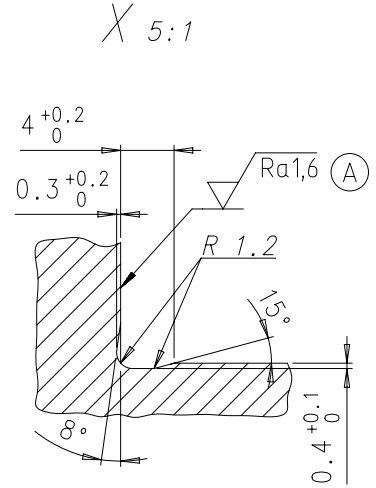
Dehnbolzen

Units	mm kg	NX	Basic Material	W-FA-34CrMo-QT	Net Weight	13,9

SURFACE PROTECTION SEE GROUP 0344	Made	06.12.2016 mst041 M. Stutz	Scale 1:4	Size A3	Page 1/1	Material ID	PAAD109428
TOLERANCING PRINCIPLE ISO8015	Chkd	11.12.2012 wwr001 Wroblewski	Design Group 9710	Drawing ID	DAAD034380	Rev.	B
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	13.12.2012 bha009 Haag					

DID - DIMENSIONAL DRAWING - Confidential





A Ra6,3 (Ra1,6) SHARP EDGES REMOVED 0.2x45°

Free space for lic.								Q-Code XXXXX		Main Drw.	
								Standard ISO; JIS			
Modif.	A	EAAD091567	26.11.2019								
		Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date		

WIN GD Winterthur Gas & Diesel

Product W-2S

SLEEVE

Huelse

Units mm kg	NX		Basic Material W-FA-34CrMo-QT		Net Weight 14,2	
SURFACE PROTECTION SEE GROUP 0344	Made 06.12.2012 mst041 M. Stutz	Scale 1:2	Size A3	Page 1/1	Material ID PAAD109395	
TOLERANCING PRINCIPLE ISO8015	Chkd 11.12.2012 wwr001 Wroblewski	Design Group 9710	Drawing ID DAAD034362		Rev. A	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 13.12.2012 bha009 Haag					

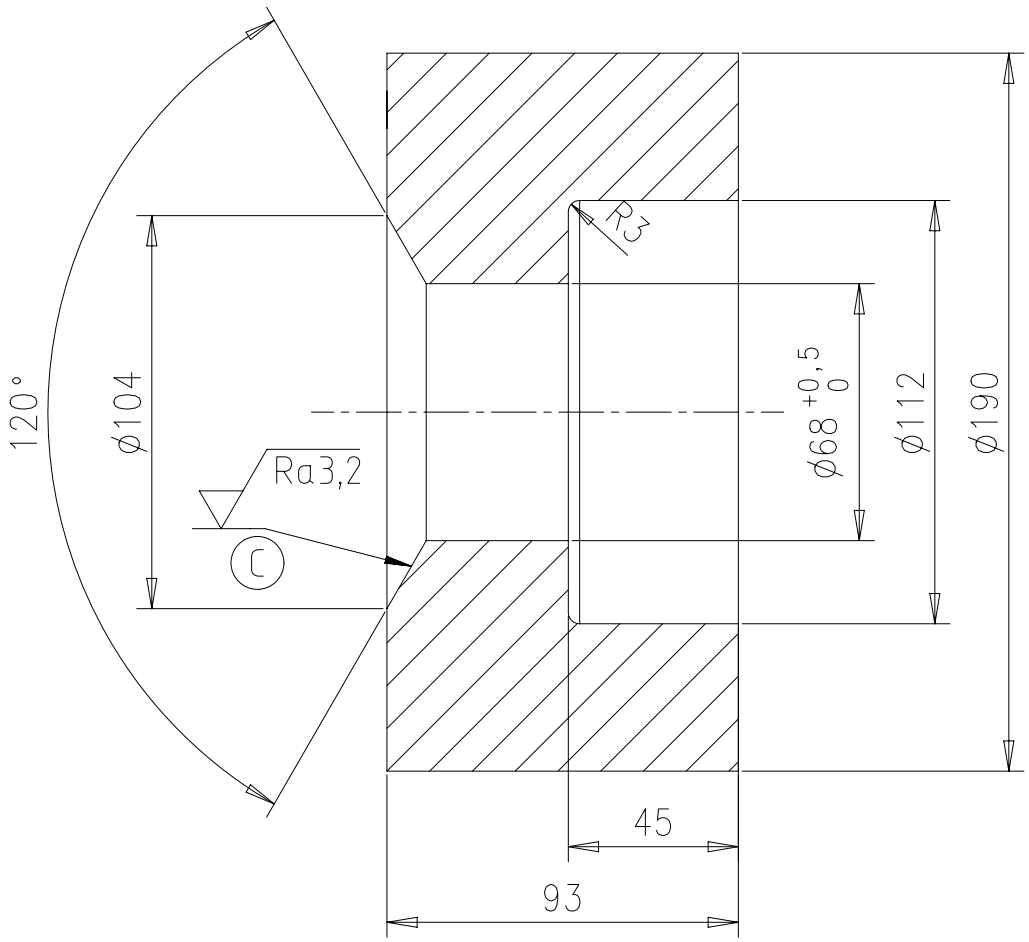
Approved

DID - DIMENSIONAL DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



C Ra6,3 (Ra3,2) SHARP EDGES REMOVED 0.2x45°

Approved

Free space for lic.

Q-Code XXXXX

Standard ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	7-59.203	14.02.2008	B 7-74.710	18.09.2009	C EAAD091567	26.11.2019		

WIN GD Winterthur Gas & Diesel

Product W-2S

CONICAL SOCKET

Konische Buechse

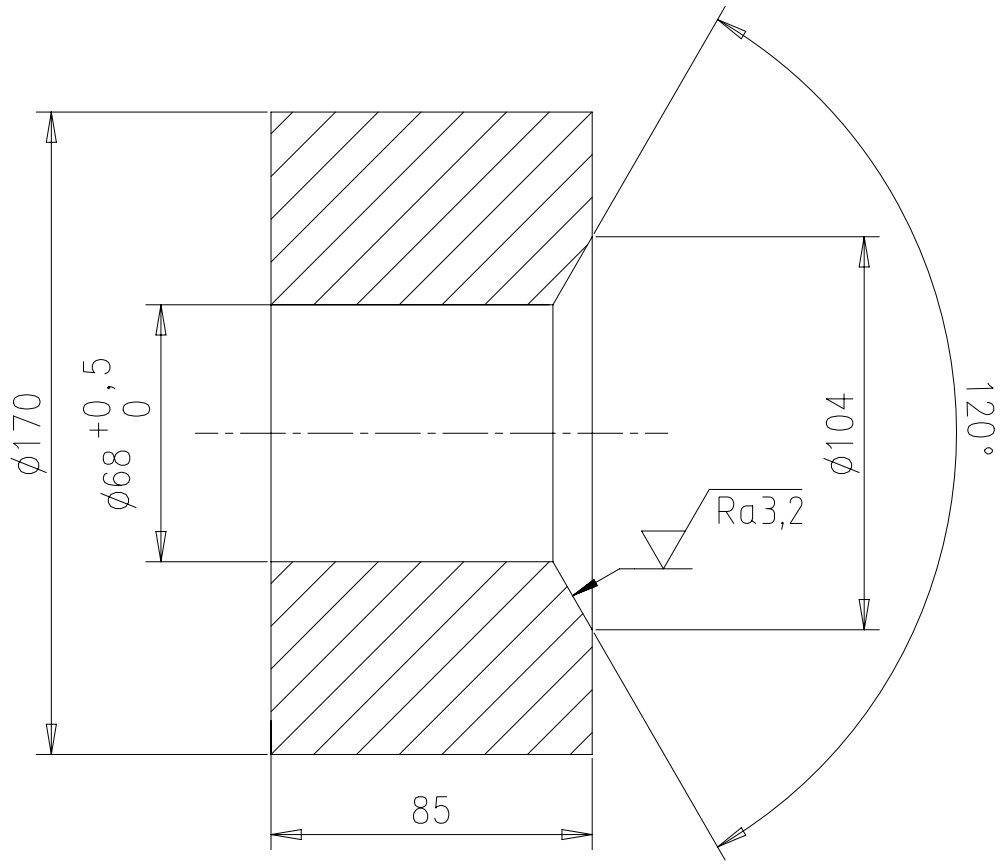
Units mm kg	NX		Basic Material W-FA-34CrMo-QT			Net Weight 15,8
Made 06.12.2006 M.PRSTEC			Scale 1:2	Size A4	Page 1/1	Material ID 107.379.517.001
Chkd			Design Group 9710	Drawing ID 107.379.517		Rev. C
Appd 19.12.2006 SNA001						

DID - DIMENSIONAL DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



SHARP EDGES REMOVED 0,2x45°

Approved

Free space for lic.										Q-Code XXXXX	Main Drw.
										Standard ISO; JIS	

Modif.													
	A	7-59.203	14.02.2008	B	EAAD091567	27.11.2019							
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	

WIN GD
Winterthur Gas & Diesel

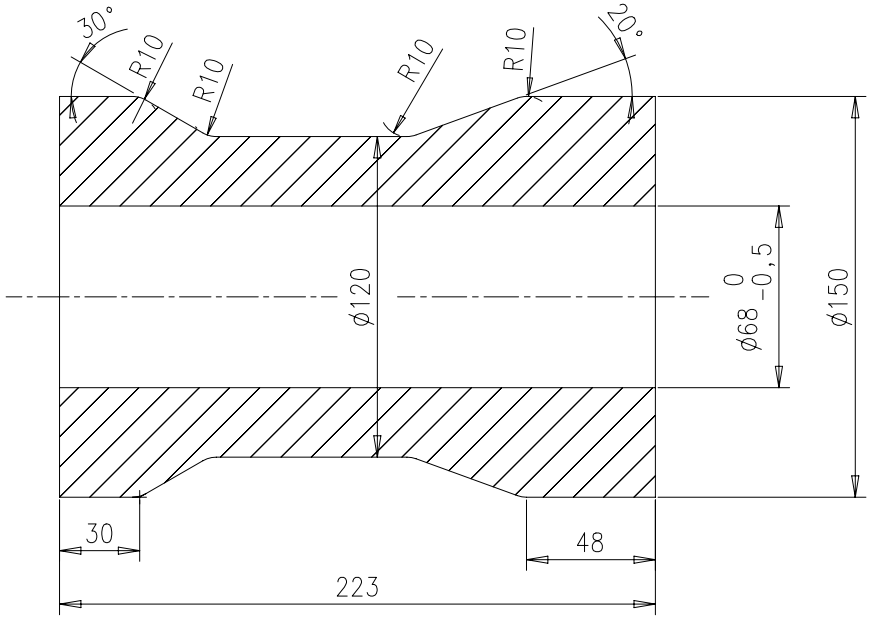
Product
W-2S

CONICAL SOCKET

Konische Buechse

Units	mm kg	NX		Basic Material	W-FA-34CrMo-QT	Net Weight	12,5
Made	06.12.2006 M.PRSTEC		Scale	1:2	Size A4	Page 1/1	Material ID 107.379.514.001
Chkd			Design Group	9710	Drawing ID 107.379.514		Rev. B
Appd	19.12.2006 SNA001						

DID - DIMENSIONAL DRAWING - Confidential



SHARP EDGES REMOVED

Ra6,3 (A)

Free space for lic.								Q-Code XXXXX		Main Drw.	
								Standard ISO; JIS			
Modif.	A	EAAD091567	26.11.2019								
		Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date

WIN GD Winterthur Gas & Diesel

Product W-2S

BUSH

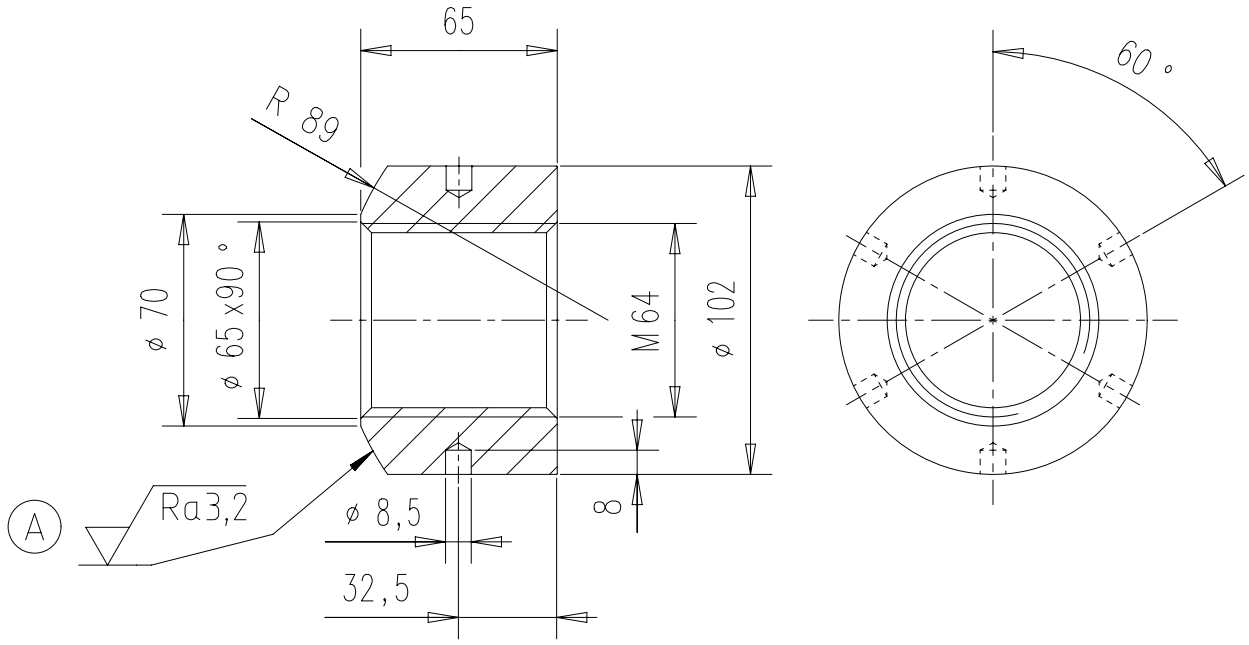
Buechse

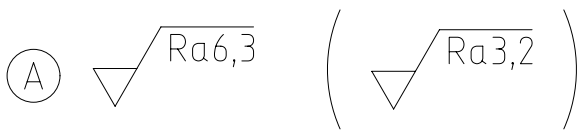
Units mm kg	NX	Basic Material W-FA-34CrMo-QT			Net Weight 19
SURFACE PROTECTION SEE GROUP 0344	Made 06.12.2006 M.PRSTEC	Scale 1:2	Size A3	Page 1/1	Material ID 107.379.510.001
TOLERANCING PRINCIPLE ISO8015	Chkd	Design Group 9710	Drawing ID 107.379.510		Rev. A
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 19.12.2006 SNA001				

Approved

DID - DIMENSIONAL DRAWING - Confidential

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





Approved

Free space for lic.

Q-Code: XXXXX
Standard: ISO; JIS
Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD091567	26.11.2019						

WIN GD
Winterthur Gas & Diesel

Product: W-2S

SPHERICAL ROUND NUT

Kugelige Rundmutter

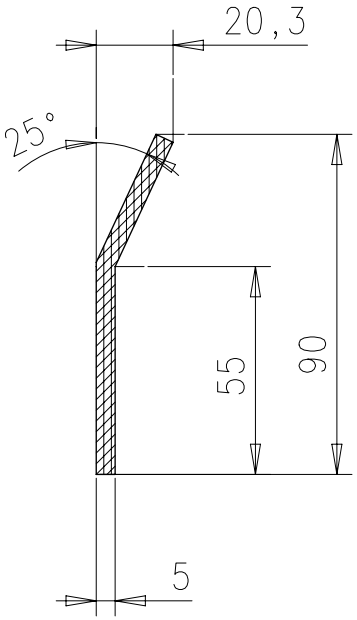
Units	mm kg	NX	Basic Material	W-FA-34CrMo-QT	Net Weight	2,6
Made	07.10.1996 D. Schaeffler		Scale	1:2.5	Size A4	Page 1/1
Chkd			Design Group	9710	Material ID	107.246.418.001
Appd	08.10.1996 MLU011 Lüthi				Drawing ID	107.246.418
					Rev.	A

DID - DIMENSIONAL DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



Approved

Modif.		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
Free space for lic.	A	EAAD082947	03.08.2011	B	EAAD091567	03.03.2020						

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

WIN GD Winterthur Gas & Diesel

Product: W-2S

SEALING PIECE

Dichtleiste

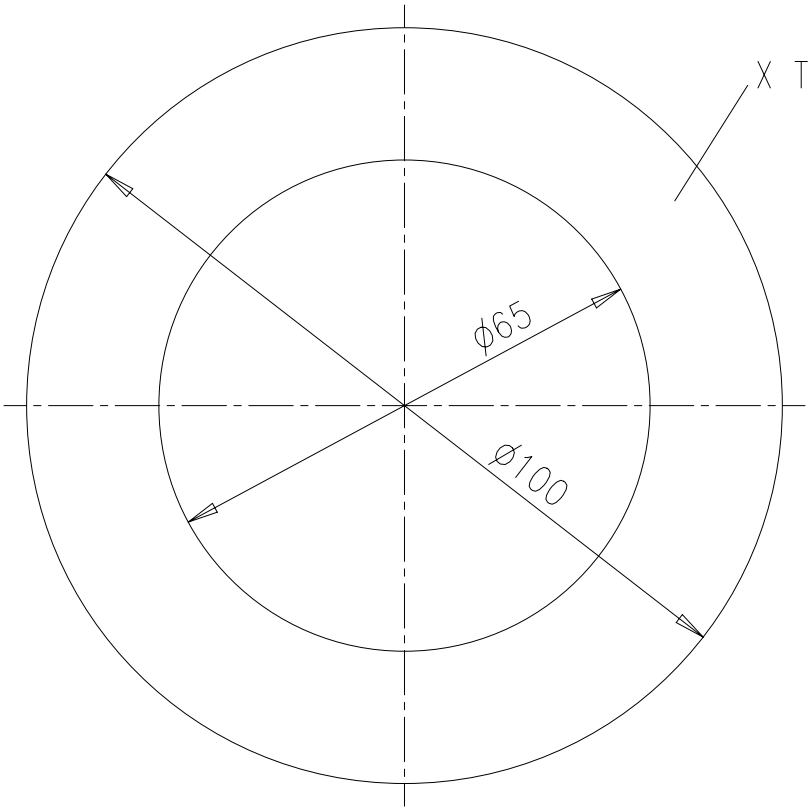
Units mm kg	NX		Basic Material			Net Weight 0,001
Made 13.02.2006 R. ZUCCHI		Scale 1:1	Size A4	Page 1/1	Material ID 107.367.119.001	
Chkd		Design Group 9710	Drawing ID 107.367.119			Rev. B
Appd 03.04.2006 SNA001						

PD - PRODUCTION DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



X- determinated during assembly

(B) * material according to shipyard experience

Approved

Free space for lic.		Q-Code XXXXX	Main Drw.
		Standard ISO; JIS	

Modif.		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
	A	7-59.203	14.02.2008	B	EAAD091567	25.11.2019						

WIN GD
Winterthur Gas & Diesel

Product
W-2S

JOINT DISC

Dichtscheibe

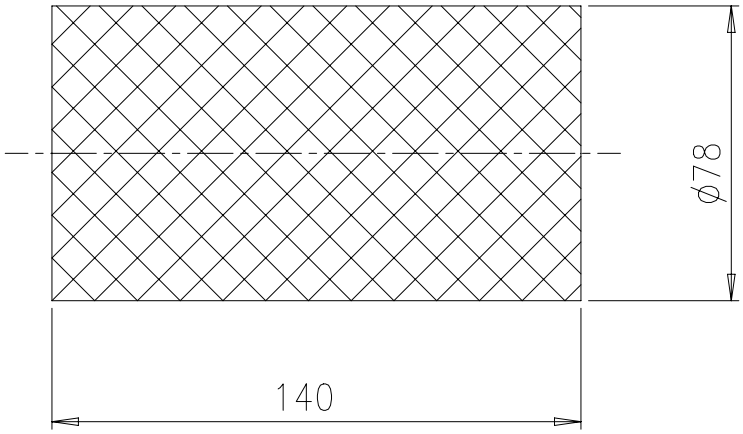
Units mm kg	NX	Basic Material *	Net Weight 0,05
Made 06.12.2006 M.PRSTEC		Scale 1:1	Size A4 / Page 1/1 / Material ID 107.379.518.001
Chkd		Design Group 9710	
Appd 19.12.2006 SNA001			Drawing ID 107.379.518 / Rev. B

DID - DIMENSIONAL DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK



* material according to shipyard experience

Approved

Modif.		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date
	A	EAAD085169	04.07.2014	B	EAAD091567	20.11.2019						

Free space for lic.

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

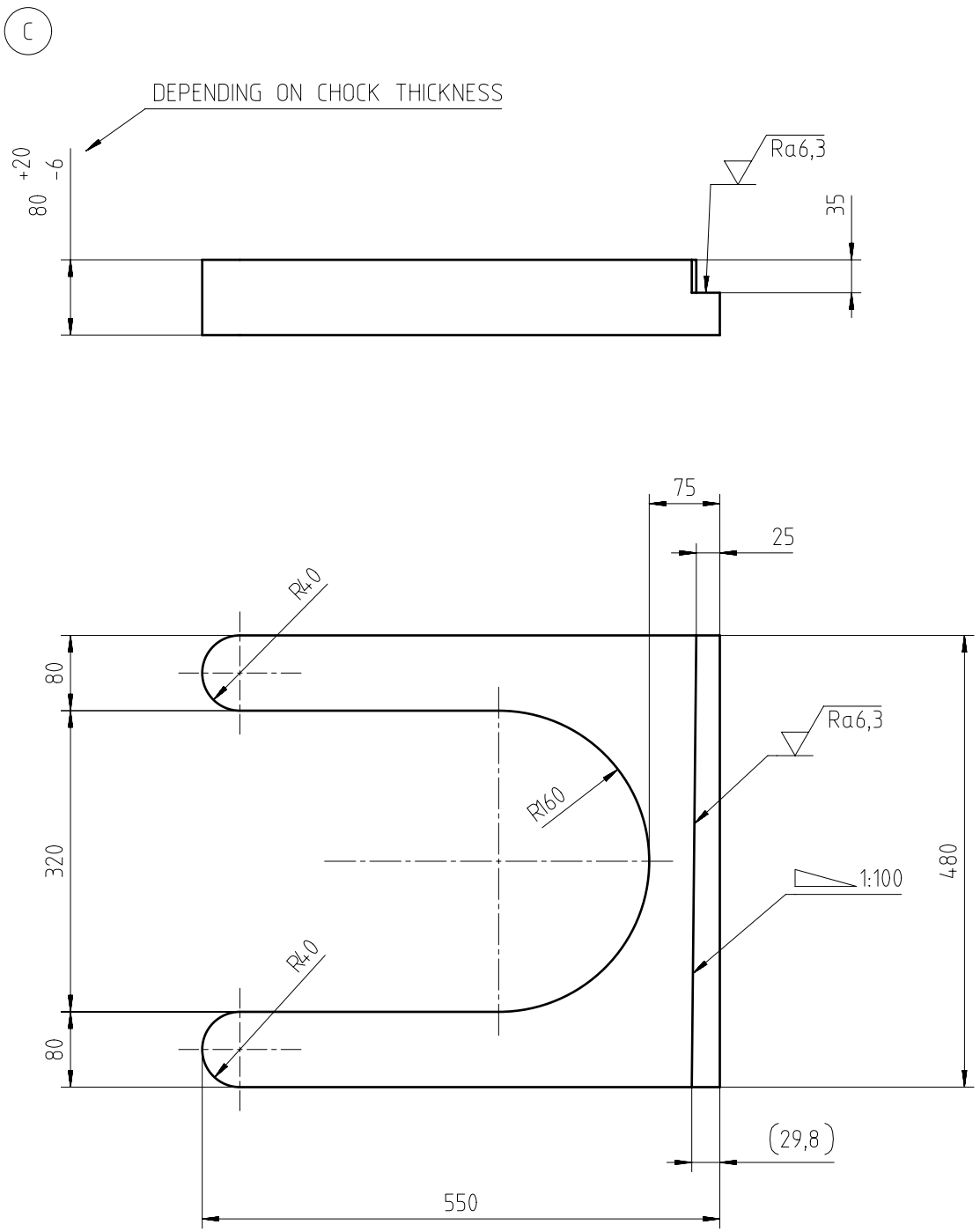
WIN GD
Winterthur Gas & Diesel

Product: W-2S

PLUG

Units mm kg	NX		Basic Material *			Net Weight 0,001
Made 13.02.2006 R.Zucchi		Scale 1:2	Size A4	Page 1/1	Material ID 107.367.109.001	
Chkd		Design Group 9710	Drawing ID 107.367.109			Rev. B
Appd 03.04.2006 SNA001						

DID - DIMENSIONAL DRAWING - Confidential



Ra50 (Ra6,3)

Free space for lic.										Q-Code XXXXX	Main Drw.
										Standard ISO; JIS	
Modif.	A EAAD082105	23.09.2010	B EAAD084051	22.01.2013	C EAAD089996	12.02.2019					
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	

WIN GD Winterthur Gas & Diesel

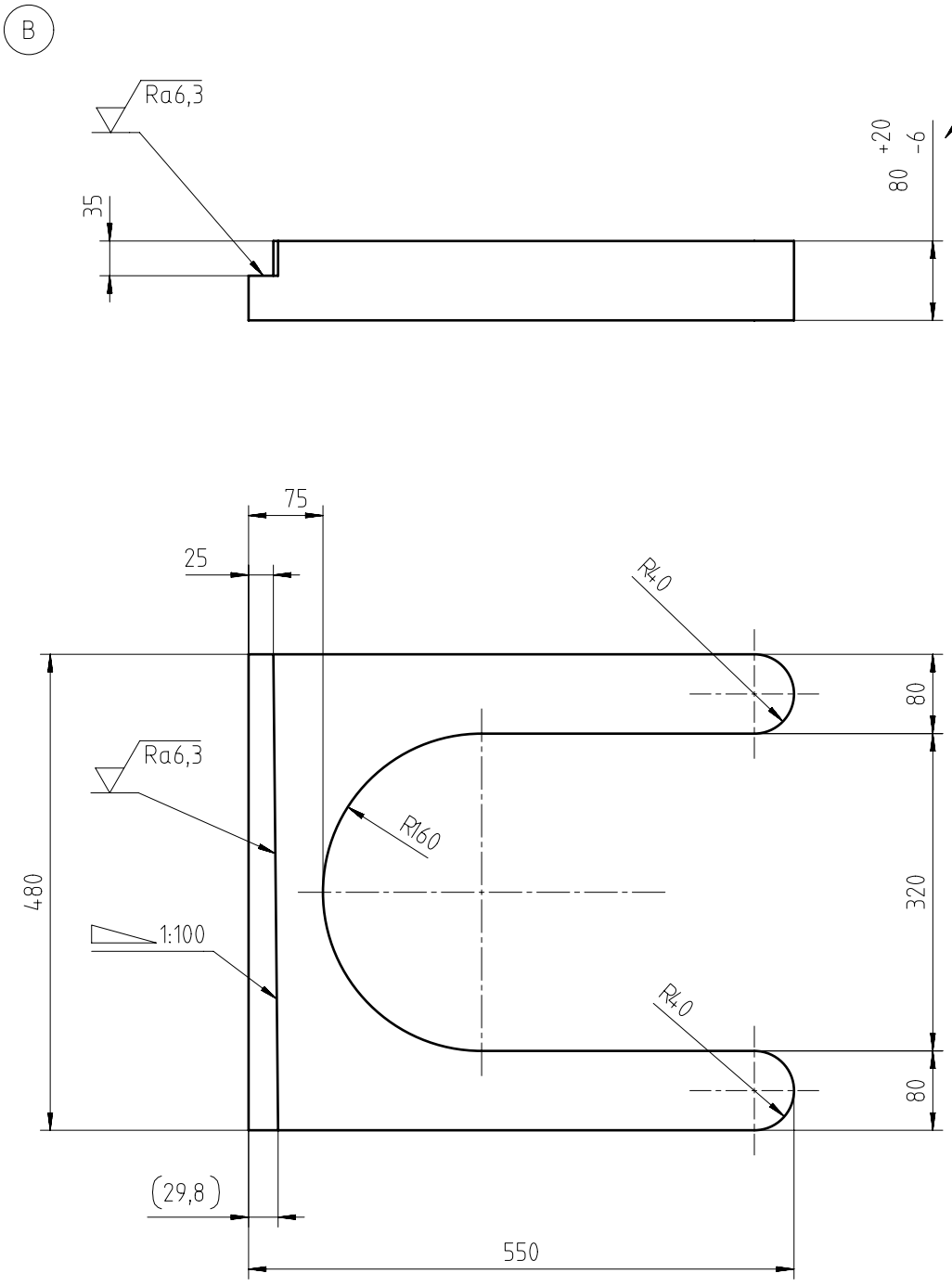
Product W-2S

ENGINE SIDE STOPPER
FRAME CUT, FUEL SIDE
Motor-Seitenstopper

Units mm kg	NX	Basic Material W-FU-235-JR			Net Weight 72,6
SURFACE PROTECTION SEE GROUP 0344	Made 24.01.2008 mpr002 Prstec	Scale 1:5	Size A3	Page 1/1	Material ID PAAD110711
TOLERANCING PRINCIPLE ISO8015	Chkd	Design Group 9710	Drawing ID 107.395.726		Rev. C
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 07.04.2008 MPR002 Prstec				

Approved

DID - DIMENSIONAL DRAWING - Confidential



Ra50 (Ra6,3)

Modif.											
	A	EAAD082105	23.09.2010	B	EAAD089996	12.02.2019					
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date

Free space for lic.

Q-Code XXXXX

Standard ISO; JIS

Main Drw.

WINGD Winterthur Gas & Diesel

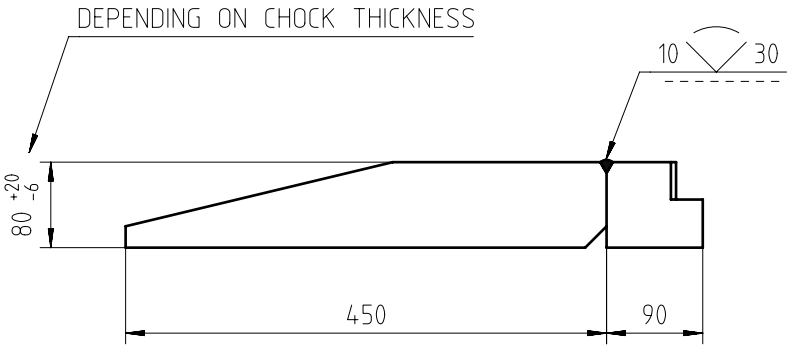
Product W-2S

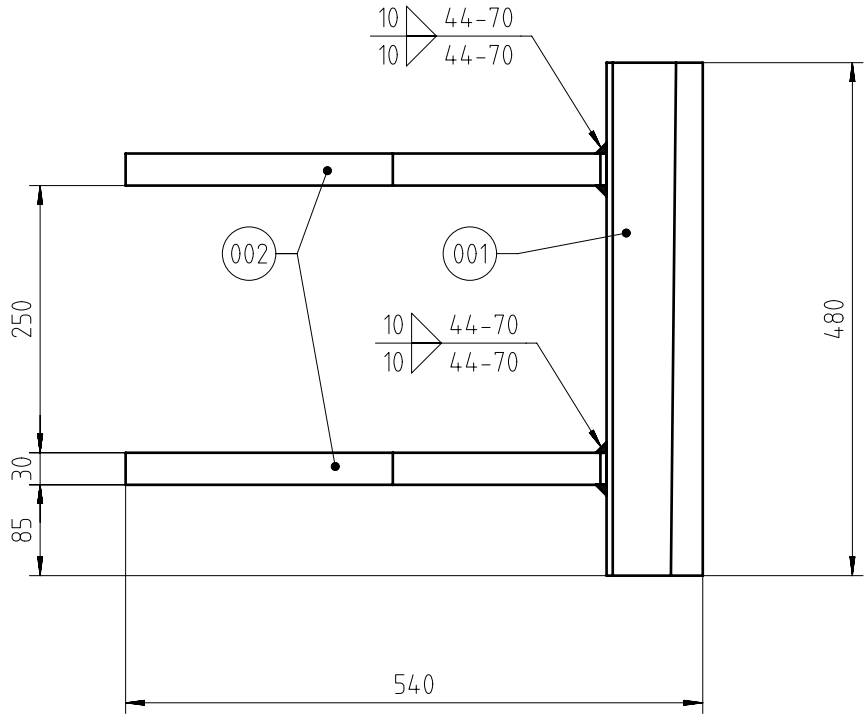
ENGINE SIDE STOPPER
FRAME CUT, EXHAUST SIDE
Motor-Seitenstopper

Units mm kg	NX		Basic Material W-FU-235-JR			Net Weight 72,6
SURFACE PROTECTION SEE GROUP 0344	Made 24.01.2008 mpr002 Prstec		Scale 1:5	Size A3	Page 1/1	Material ID 107.395.713.001
TOLERANCING PRINCIPLE ISO8015	Chkd		Design Group 9710	Drawing ID 107.395.713		Rev. B
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 07.04.2008 MPR002 Prstec					

Approved

DID - DIMENSIONAL 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	003	107.395.701.001	FLAT BAR	107.395.701	W-FU-235-JR	6,7
1	002	107.395.699.002	FLAT BAR 90xhx480	107.395.699	S235JRH;SS400	25,8

Free space for lic.

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD082105	23.09.2010	B EAAD084051	22.01.2013	C EAAD089996	12.02.2019		

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 39.2

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

Made: 20.07.2010 jba029 Baumann

Chkd:

Appd: 07.04.2008 MPR002 Prstec

Scale: 1:5

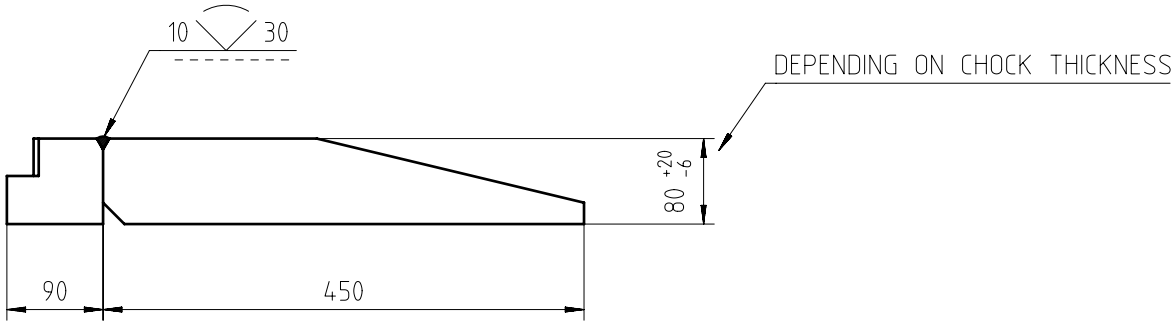
Design Group: 9710

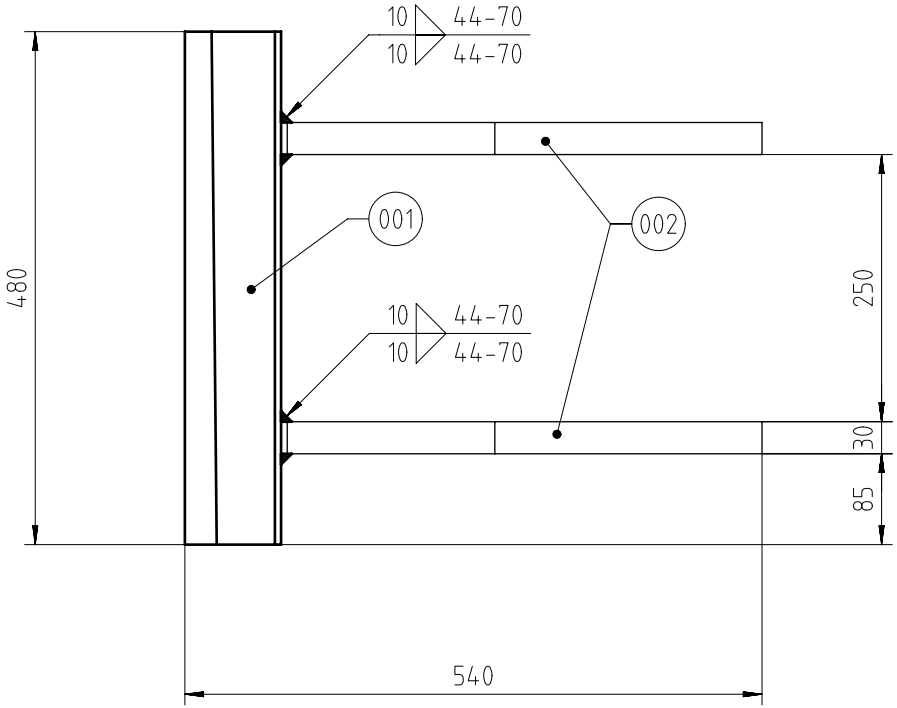
Size: A3 | Page: 1/1 | Material ID: PAAD110743

Drawing ID: 107.395.724 | Rev.: C

Approved

DID - DIMENSIONAL 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	107.395.701.001	FLAT BAR	107.395.701	W-FU-235-JR	6,7
1	001	107.395.699.001	FLAT BAR 90xhx480	107.395.699	S235JRH;SS400	25,8

Free space for lic.

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

Approved

Modif.	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

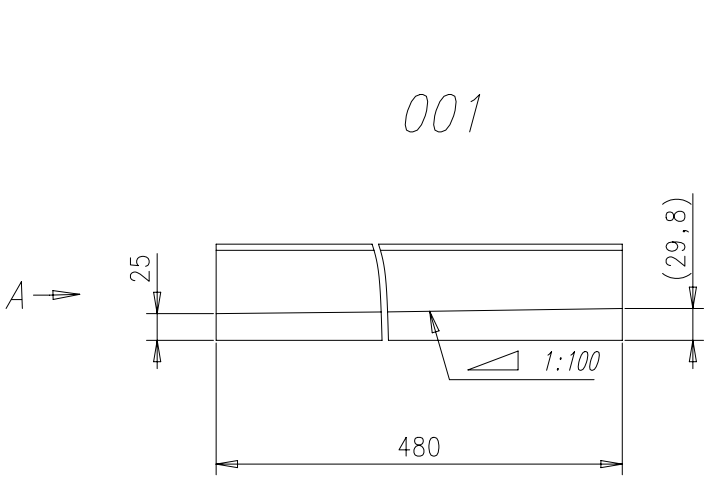
Units mm kg	NX		Basic Material			Net Weight 39,2
Made 12.02.2019 dki021 DH.Kim	Scale 1:5	Size A3	Page 1/1	Material ID PAAD319261		
Chkd 18.03.2019 wwa008 Wang	Design Group 9710	Drawing ID DAAD112296			Rev. –	
Appd 20.03.2019 mhu019 Hug						

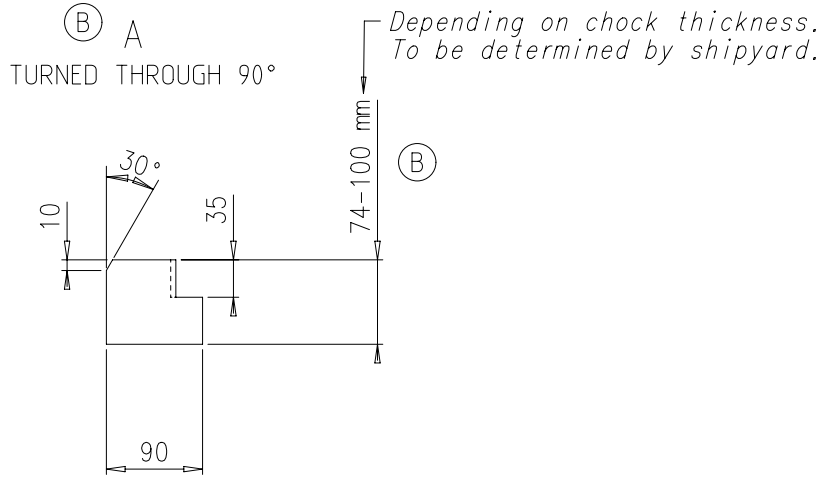
SURFACE PROTECTION SEE GROUP 0344

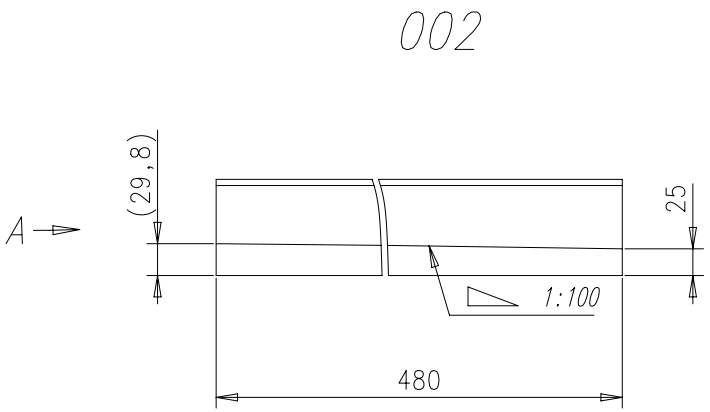
TOLERANCING PRINCIPLE ISO8015

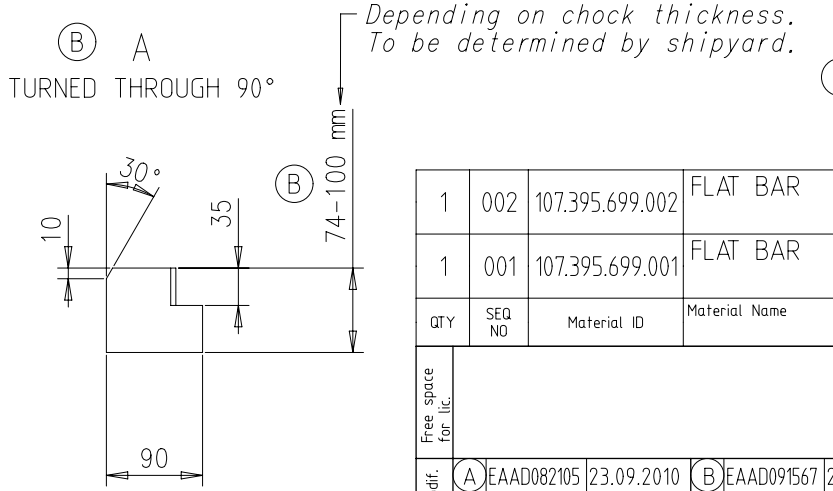
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

DID - DIMENSIONAL DRAWING - Confidential









B Ra6,3 SHARP EDGES REMOVED

QTY	SEQ NO	Material ID	Material Name / Dimension, Occ	Standard or Drawing	Basic Material / Material Standard	Weight GR./NET
1	002	107.395.699.002	FLAT BAR	107.395.699	W-FU-235-JR	25,8
1	001	107.395.699.001	FLAT BAR	107.395.699	W-FU-235-JR	25,8

Free space for lic.

Q-Code XXXXX

Standard ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD082105	23.09.2010	B EAAD091567	26.11.2019				

WIN GD Winterthur Gas & Diesel

Product W-2S

FLAT BAR
TO ENGINE SIDE STOPPER
Flachstahl

Units mm kg | NX | Basic Material | Net Weight

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

Made 05.07.2010 jba029 Baumann

Chkd

Appd 07.04.2008 MPR002 Prstec

Scale 1:5

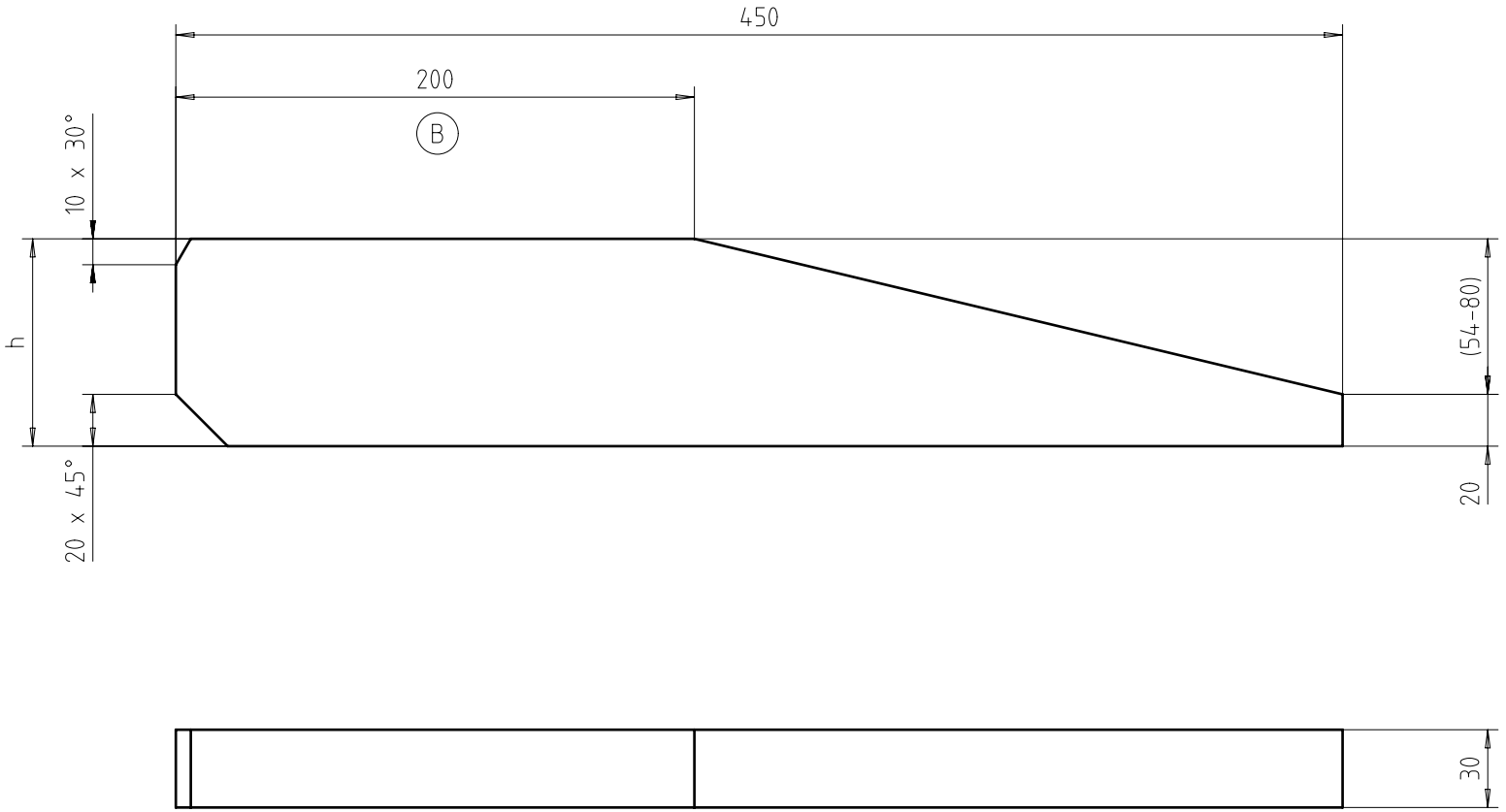
Design Group 9710

Size A3 | Page 1/1 | Material ID PAAD345046

Drawing ID 107.395.699 | Rev. B

Approved

DID - DIMENSIONAL DRAWING - Confidential



Ra50

SHARP EDGES REMOVED

h = (74 - 100 mm)
DEPENDING ON CHOCK THICKNESS,
TO BE DETERMINED BY SHIPYARD

Free space for lic.								Q-Code XXXXX		Main Drw.	
								Standard ISO; JIS			
Modif.	A	EAAD082105	23.09.2010	B	EAAD089996	24.10.2018					
		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 6,7
SURFACE PROTECTION SEE GROUP 0344	Made 24.01.2008 mpr002 Prstec		Scale 1:2	Size A3 / Page 1/1	Material ID 107.395.701.001
TOLERANCING PRINCIPLE ISO8015	Chkd		Design Group 9710	Drawing ID 107.395.701	Rev. B
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 07.04.2008 MPR002 Prstec				

Approved

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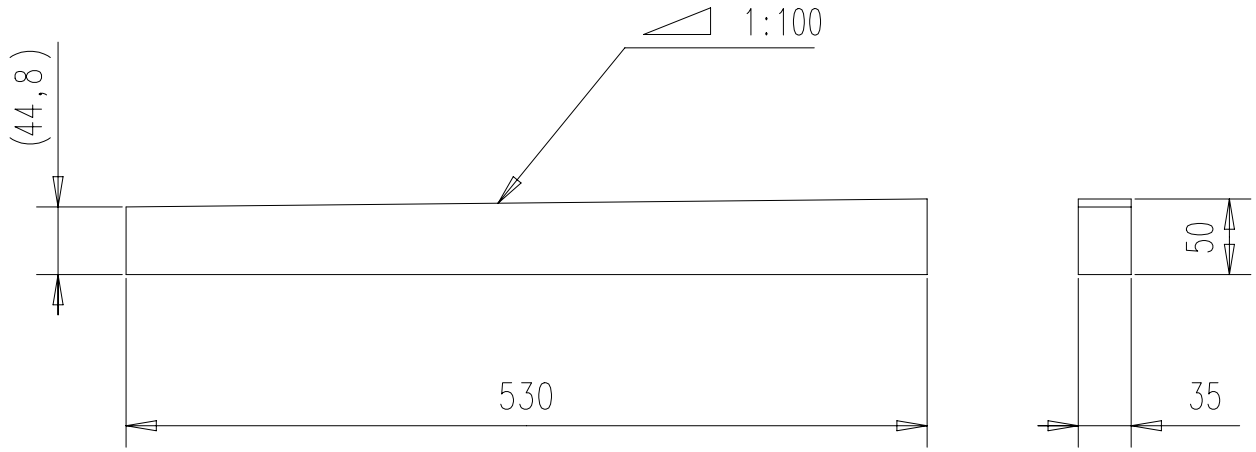
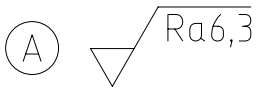
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK





Approved

Free space for lic.

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
A	EAAD091567	26.11.2019						

WIN GD
Winterthur Gas & Diesel

Product: W-2S

WEDGE

Schraeger Keil

Units	mm kg	NX	Basic Material	W-FU-235-JR	Net Weight	6,9
Made	18.10.1996 T. Landert		Scale	1:5	Size A4	Page 1/1
Chkd			Design Group	9710	Material ID	107.246.218.001
Appd	18.10.1996 WCH001 Service User				Drawing ID	107.246.218
					Rev.	A

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MIDS - WinGD-X82-B – Engine Seating /Foundation (DG9710)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-24	DRAWING SET	First web upload
2018-05-18	DAAD041718	Main drg 6cyl – new revision
2019-07-24	DAAD041718 DAAD034406 DAAD039913	Main drg – new revision
	107.246.124 107.246.128 107.395.701 107.395.713 107.395.724 107.395.726	Side Stopper assembly parts – new revision
	DAAD041718 DAAD034406 DAAD039913	Assembly drgs -new revision
2020-09-14	107.398.394 107.380.159 107.379.515 DAAD034380 DAAD034362 107.379.517 107.379.514 107.379.510 107.246.418 107.367.119 107.379.518 107.367.109 107.395.699 107.246.218	System drgs – new revision