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

## Available executions

| Execution No. | Material ID | Cylinder No. |
|---|---|---|
| 001 | PAAD365793 | 6 |
| 002 | PTAA051990 | 7 |

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

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| Prod. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | X62-S2.0<br>X62DF-A-S1.0 | X62DF-M-S1.0<br>X62DF-S1.0 | X62DF-S2.0 | | | | | |

Change History

| Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Activity Code | E | C |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| – | ssh102 | | | | new Design | | | |

WIN GD
Winterthur Gas & Diesel

# ENGINE SEATING/FOUNDATION

MIDS master drawing

separate BOM available

Dimension

| Scale | – | NX | Units [mm] [kg] | Basic Material | | Net Weight | 2478 |
|---|---|---|---|---|---|---|---|
| Main Design | | | Design Group | 9710 | Q-Code XXXXX | Standard | WDS |
| Qty per | | | A4 | Item ID | PTAA019091 | Drawing Page/s | 1/1 |

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| SEQ NO | QTY | Item ID | Item Name / Dimension | Standard-ID | Basic Material | Net Weight |
|---|---|---|---|---|---|---|
| 001 | 1 | PAAD367359 | RIB | | W-FU-355-J0 | 28.6 |
| 002 | 1 | 107.398.394.500 | EPOXY RESIN | | | 0.001 |
| 003 | 56 | 107.345.876.004 | ROUND NUT<br>M36 | | W-FA-42CrMo-QT | 0.63 |
| 004 | 8 | PAAD371093 | SLEEVE | | W-FA-34CrMo-QT | 7.28 |
| 005 | 8 | PAAD371033 | BUSH | | W-FU-355-J0 | 4.4 |
| 006 | 56 | PAAD371100 | ELASTIC BOLT | | W-FA-42CrMo-QT | 3.1 |
| 007 | 8 | PAAD371025 | CONICAL SOCKET | | W-FA-34CrMo-QT | 5.7 |
| 008 | 48 | PAAD371030 | CONICAL SOCKET | | W-FA-34CrMo-QT | 2.3 |
| 009 | 48 | PAAD371091 | BUSH | | W-FU-355-J0 | 7.9 |
| 010 | 1 | 107.367.119.001 | SEALING PIECE | | | 0.001 |
| 011 | 8 | PAAD103756 | JOINT DISC | | W-FU-235-JR | 0.001 |
| 012 | 56 | 107.410.789.001 | SPHERICAL ROUND NUT<br>M36 | | 34CrMo4<br>SCM 435 | 0.85 |
| 013 | 48 | 107.401.837.001 | PLUG | | | 0.2 |
| 016 | 3 | PAAD139256 | ENGINE SIDE STOPPER | | | 36.6 |
| 017 | 3 | PAAD139302 | ENGINE SIDE STOPPER | | | 35 |
| 018 | 6 | PAAD140810 | WEDGE | | W-FU-235-JR | 6.9 |
| 019 | 1 | 107.412.130 | FITTING INSTRUCTIONS | | | |

| Prod. | | | |
|---|---|---|---|
| 6 X62-S2.0<br>6 X62DF-A-S1.0 | 6 X62DF-M-S1.0<br>6 X62DF-S1.0 | 6 X62DF-S2.0 | |

Change History

| Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Activity Code | E | C |
|---|---|---|---|---|---|---|---|---|
| C | npa101 | mhu019 | 21.08.2024 | CNAA006231 | Drawing updated | 4 | 4 | 3 |
| B | sde101 | mhu019 | 11.07.2022 | CNAA002186 | Drawing Updated | 4 | 4 | 3 |
| A | ssh102 | mhu019 | 19.01.2022 | CNAA001119 | Drawing Updated | 4 | 4 | 3 |
| - | dki021 | mhu019 | 17.12.2020 | EAAD786875 | - | - | - | - |

Approved

WIN GD

# ENGINE SEATING/FOUNDATION

## FOUNDATION ARRANGEMENT: STANDARD

**Bill Of Material**

Dimension

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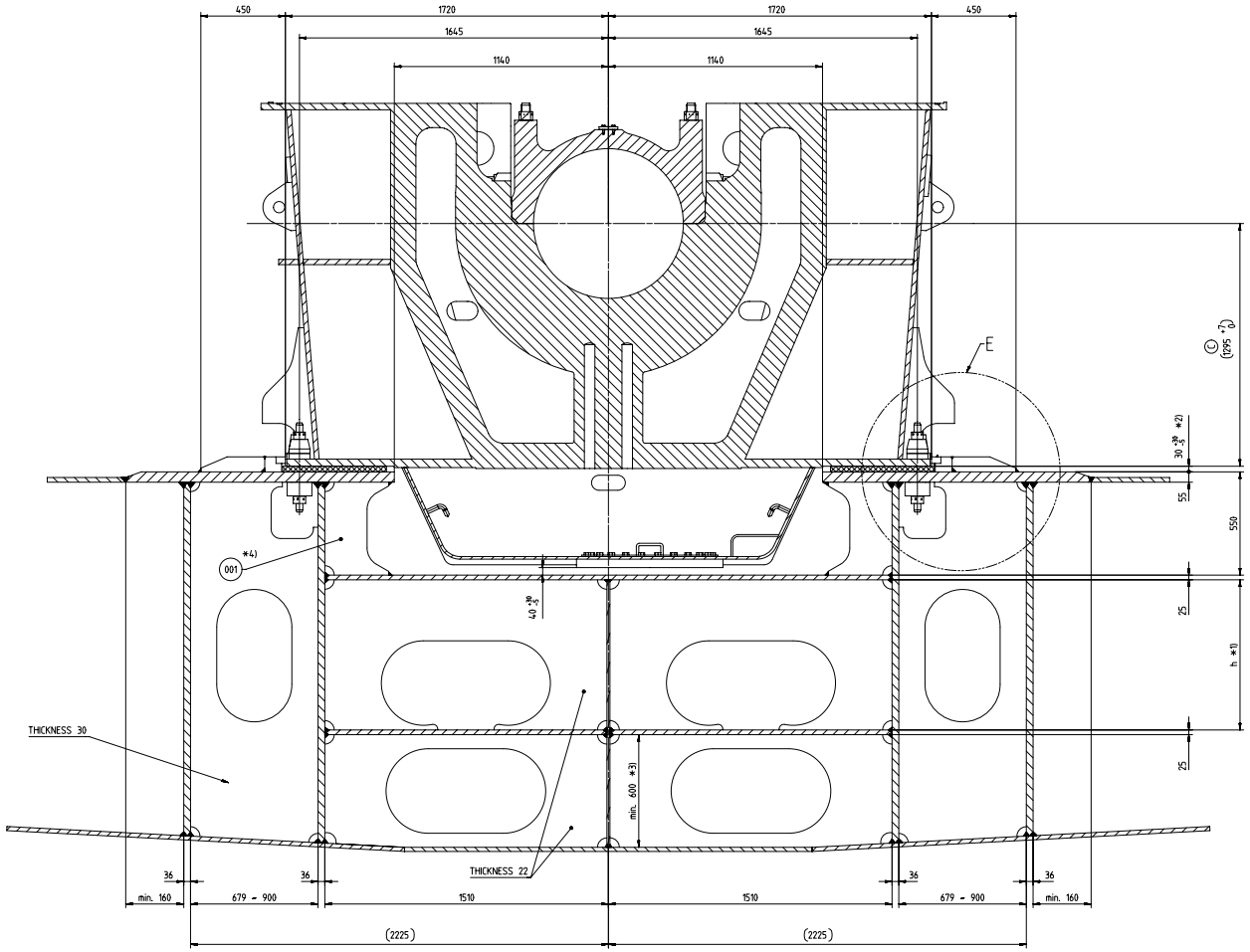
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Units | [m] [kg] | Basic Material | | | | Net Weight | 58.24 |
| Main Design | Yes | Design Group | 9710 | Q-Code | X X M | Standard | WDS |
| Qty per | Engine | A4 | Item ID | PAAD365793 | | BOM Page/s | 01/01 |

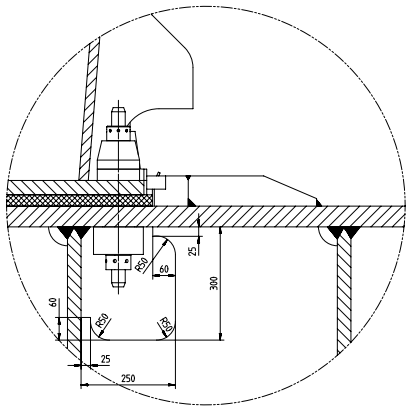
## SECTION A-A

SCALE 1:10




## DETAIL E

SCALE 1:5




Remarks:

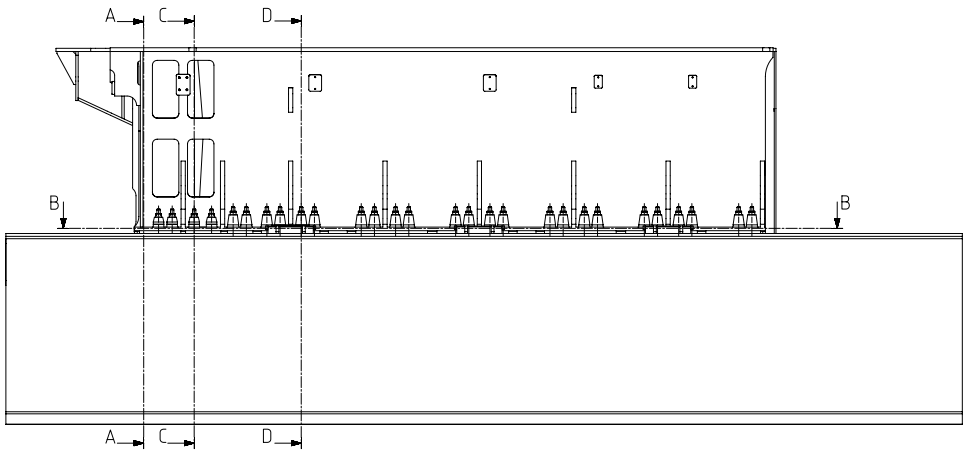
*1) HEIGHT TO BE DETERMINED BY SHIPYARD. FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722

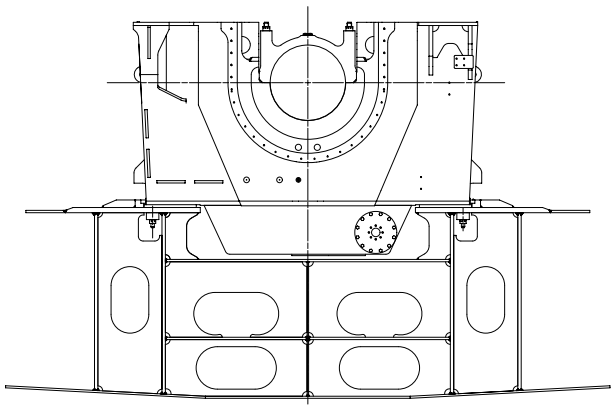
*2) CHOCK THICKNESS $30^{+30}_{-5}$ mm

- FINAL CHOCK THICKNESS TO BE DETERMINED BY SHIPYARD

*3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES

*4) QUANTITY DEPENDING ON SHIPYARD DESIGN



| Rev. | Creator | Date Archived | Approved | Date | Change Number | Change Synopsis | Activity Code | Page |
|---|---|---|---|---|---|---|---|---|
| C | rpa101 | rtfs108 | 23052334 | CNAA00238 | Drawing updated | | 4 | 3 |
| B | sak101 | mhu019 | 11.07.2022 | CNAA002186 | Drawing Updated | | 4 | 3 |
| A | ssh102 | mhu019 | 19.01.2022 | CNAA001179 | Drawing Updated | | 4 | 3 |
| - | dnk021 | mhu019 | 17.12.2020 | EAAD786875 | - | | - | - |

Archived

WIN GD

ENGINE SEATING/FOUNDATION
FOUNDATION ARRANGEMENT: STANDARD

separate BOM available

Dimension

Scale 1:20 | NX | Units [mm] [kg] | Basic Material | Net Weight 1180

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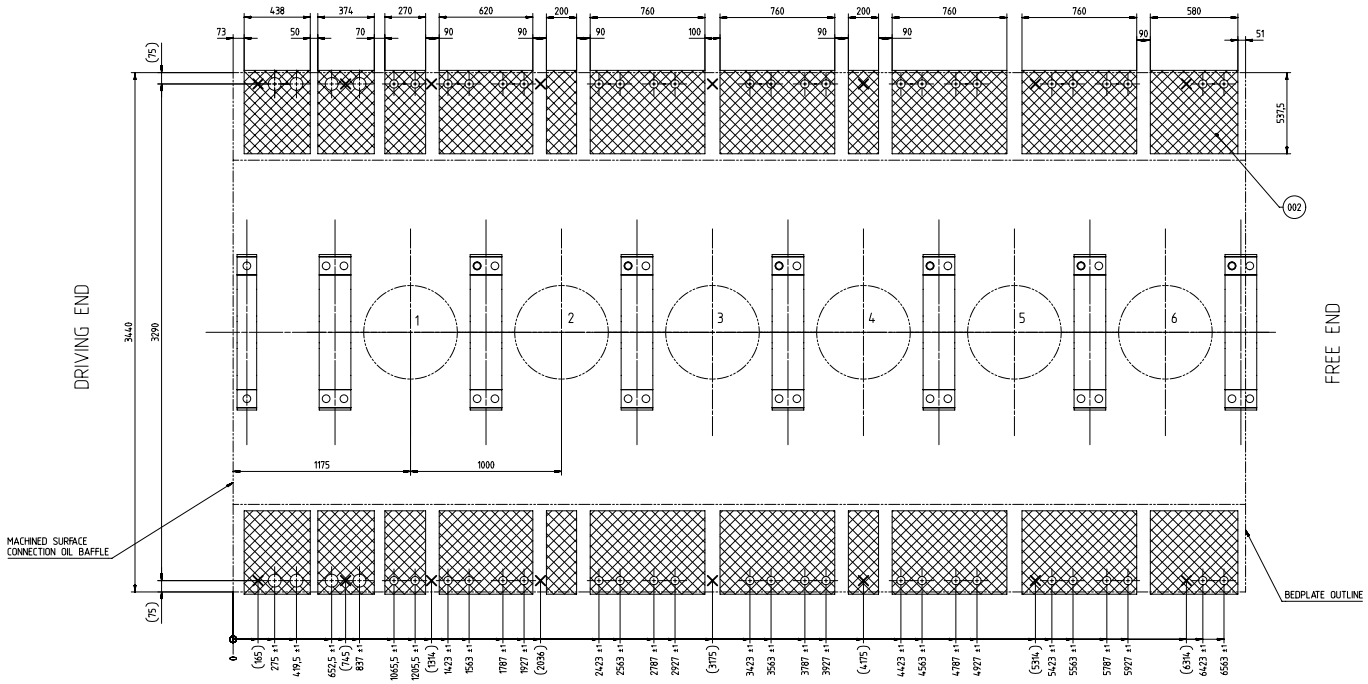
Main Design: Yes | Design Group: 9710 | G-Code: X X M | Standard: WDS

Qty per: Engine | A0 | Item ID: PAAD365793 | Drawing Pages: 1/3

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

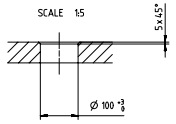
# B-B

CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS




## SECTION X-X ↻ 90°

SCALE 1:5




## SECTION Y-Y ↻ 90°

SCALE 1:5

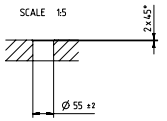



Table : Dimensions of epoxy resin chocks *1)

| No. of Cyl. | Max. perm. mean surface pressure of chock *2) | Total chock length per side | Total net chocking area | Required quantity of epoxy resin material *3) | |
|---|---|---|---|---|---|
| | | | | min. | max. |
| | (N/mm²) | (mm) | (cm²) | (dm³) | |
| 6 | 5.0 | 5722 | 59620 | 149 | 358 |

| No. of Cyl. | Total No. of holes | No. of thrust sleeves |
|---|---|---|
| 6 | 56 | 8 |

*SHOWN ON DRAWING

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)

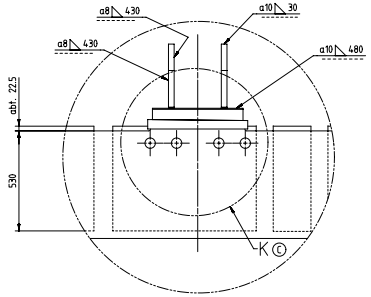
*2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society / rules.

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

*4) With X marked positions present jacking screws.

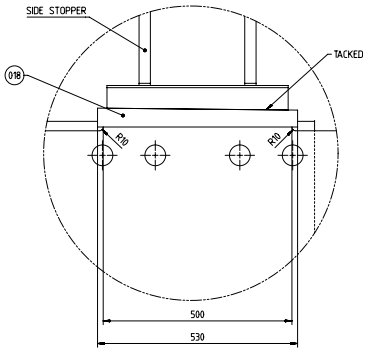
## DETAIL F

SCALE 1:10

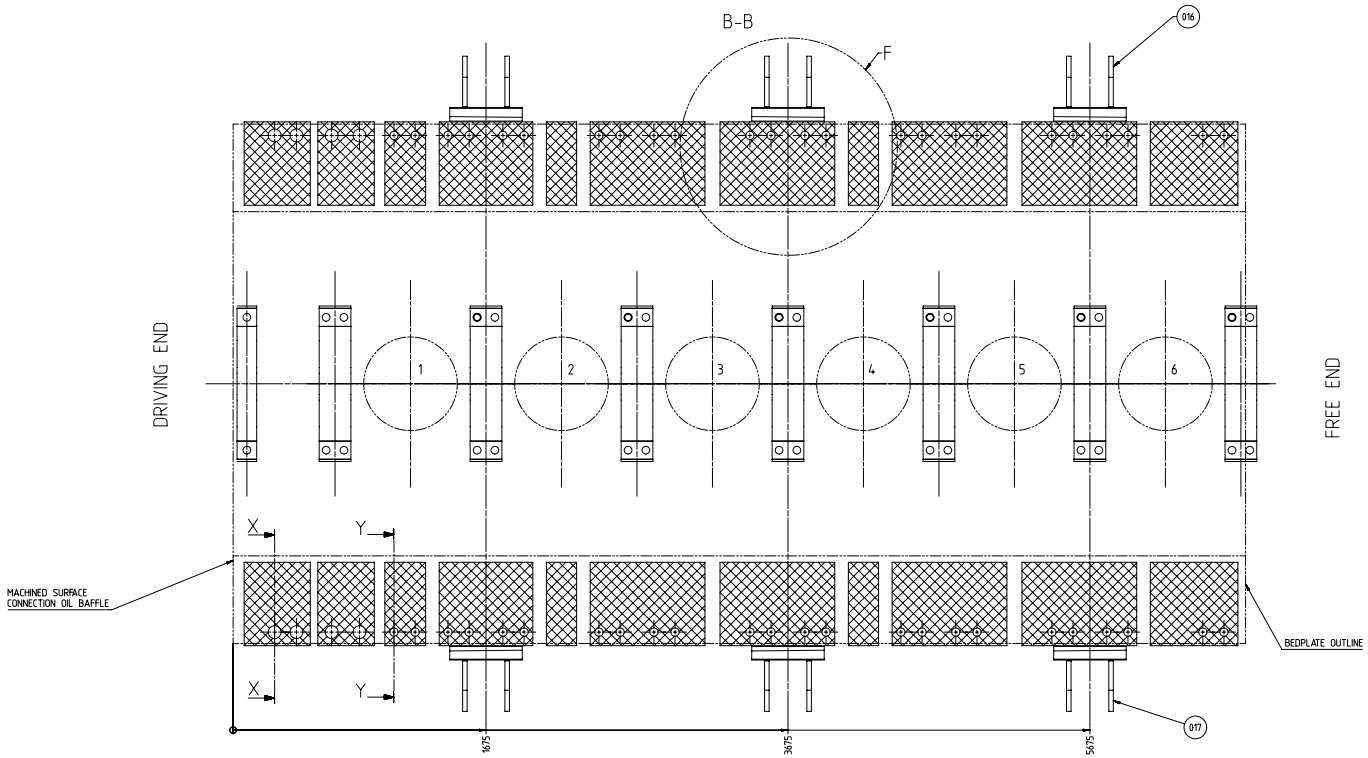



## © DETAIL K

SCALE 1:5




# B-B

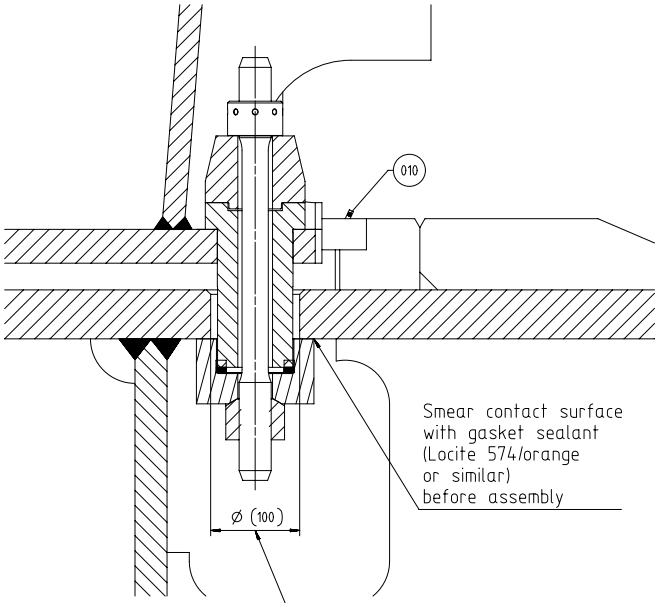



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | C | hpa101 | rtb/CD | 21.05.2024 | CHANGE 0026 | Drawing updated | 4 3 |
| 2 | Rev. | Creator | Approver | Approved Date | Change Nr. | Change Remarks | Addendum Auxiliary Code K C |

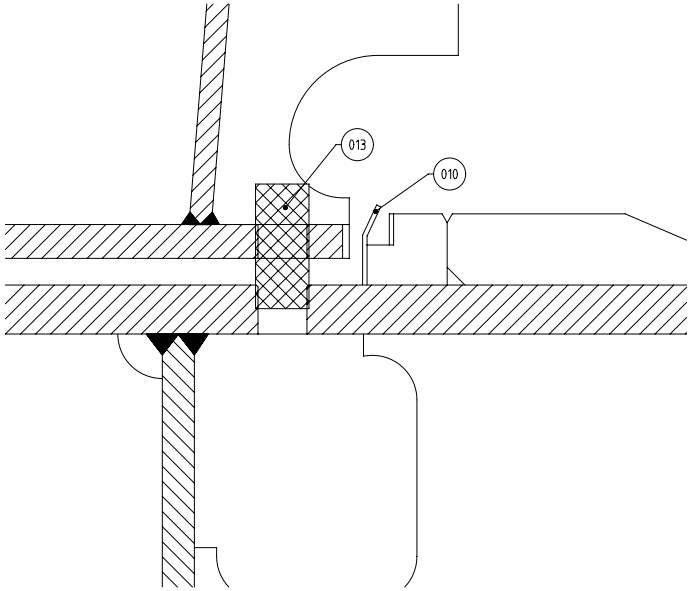
SURFACE PROTECTION SEE GROUP 1344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

[mm] [kg] 2.25 NX A0 Item ID PAAD365793 Drawing Page/s 2/3

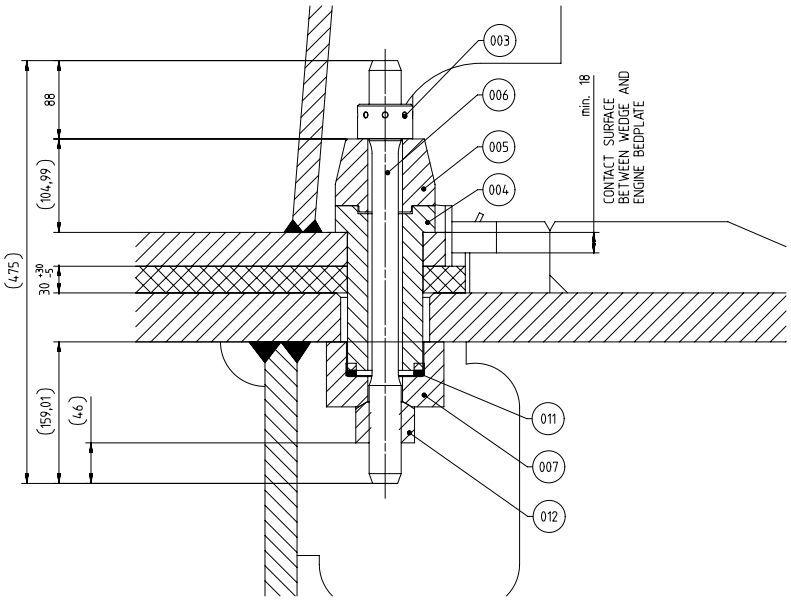
C-C
ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



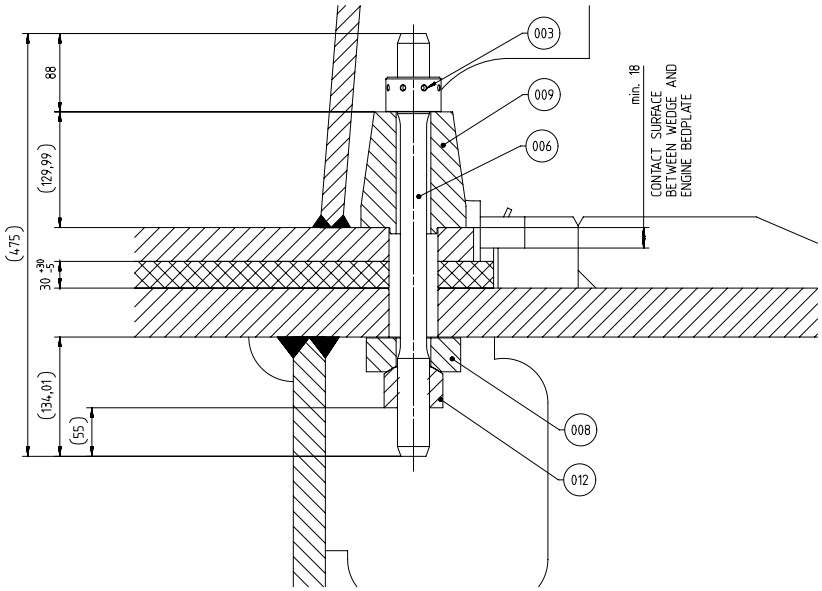

D-D
ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK




C-C
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK




D-D
ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK




| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | C | npa101 | mhu019 | 21082024 | CNAA006231 | Drawing updated | | | 4 | 3 |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | | Approved Activity Code | E | C |

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

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[mm] [kg] | 1:3 | NX | A1 | Item ID | PAAD365793 | Drawing Pages | 3/3

| SEQ NO | QTY | Item ID | Item Name / Dimension | Standard-ID | Basic Material | Net Weight |
|---|---|---|---|---|---|---|
| 001 | 1 | PAAD367359 | RIB | | W-FU-355-J0 | 28.6 |
| 002 | 1 | 107.398.394.500 | EPOXY RESIN | | | 0.001 |
| 003 | 64 | 107.345.876.004 | ROUND NUT M36 | | W-FA-42CrMo-QT | 0.63 |
| 004 | 10 | PAAD371093 | SLEEVE | | W-FA-34CrMo-QT | 7.28 |
| 005 | 10 | PAAD371033 | BUSH | | W-FU-355-J0 | 4.4 |
| 006 | 64 | PAAD371100 | ELASTIC BOLT | | W-FA-42CrMo-QT | 3.1 |
| 007 | 10 | PAAD371025 | CONICAL SOCKET | | W-FA-34CrMo-QT | 5.7 |
| 008 | 54 | PAAD371030 | CONICAL SOCKET | | W-FA-34CrMo-QT | 2.3 |
| 009 | 54 | PAAD371091 | BUSH | | W-FU-355-J0 | 7.9 |
| 010 | 1 | 107.367.119.001 | SEALING PIECE | | | 0.001 |
| 011 | 10 | PAAD103756 | JOINT DISC | | W-FU-235-JR | 0.001 |
| 012 | 64 | 107.410.789.001 | SPHERICAL ROUND NUT M36 | | 34CrMo4<br>SCM 435 | 0.85 |
| 013 | 54 | 107.401.837.001 | PLUG | | | 0.2 |
| 014 | 3 | PAAD139256 | ENGINE SIDE STOPPER | | | 36.6 |
| 015 | 3 | PAAD139302 | ENGINE SIDE STOPPER | | | 35 |
| 016 | 6 | PAAD140810 | WEDGE | | W-FU-235-JR | 6.9 |
| 017 | 1 | 107.412.130 | FITTING INSTRUCTIONS | | | |

| Prod. | | | |
|---|---|---|---|
| 7 X62-S2.0<br>7 X62DF-A-S1.0 | 7 X62DF-S1.0<br>7 X62DF-S2.0 | | |

Change History

| Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Activity Code | E | C |
|---|---|---|---|---|---|---|---|---|
| A | npa101 | mhu019 | 21.08.2024 | CNAA006231 | Drawing updated | 4 | 4 | 3 |
| - | npa101 | mhu019 | 20.01.2023 | CNAA003121 | Main Design/Drawing Introduced | - | - | - |

Approved

WIN GD

# ENGINE SEATING/FOUNDATION

## FOUNDATION ARRANGEMENT: STANDARD

**Bill Of Material**

Dimension

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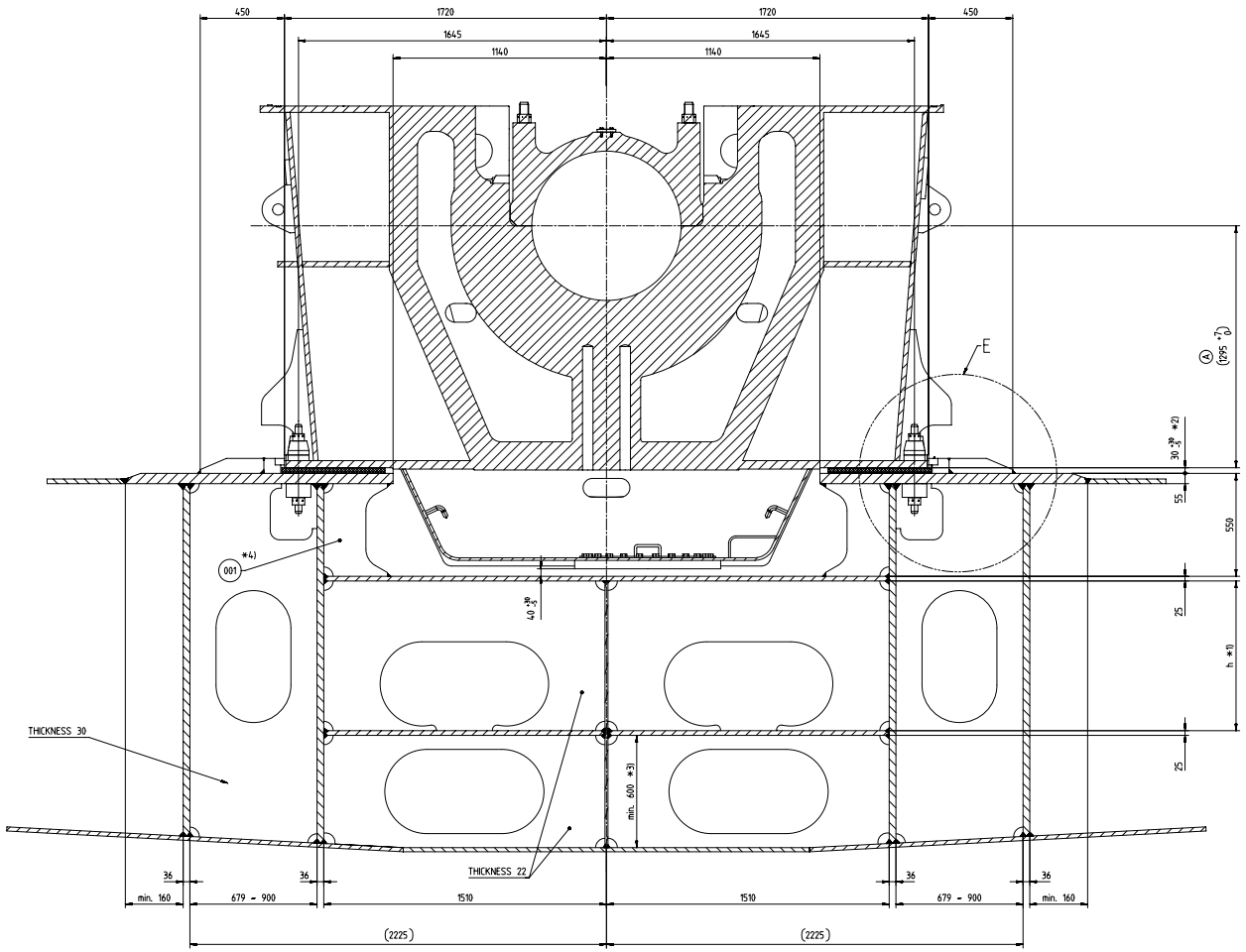
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Units | [m] [kg] | Basic Material | | | | Net Weight | 1313 |
| Main Design | Yes | Design Group | 9710 | Q-Code | X X M | Standard | WDS |
| Qty per | Engine | A4 | Item ID | PTAA051990 | | BOM Page/s | 01/01 |

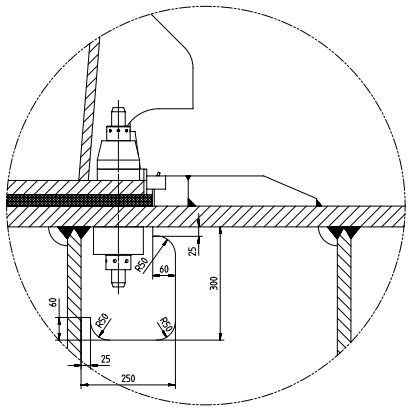
## SECTION A-A

SCALE 1:10




## DETAIL E

SCALE 1:5




Remarks:

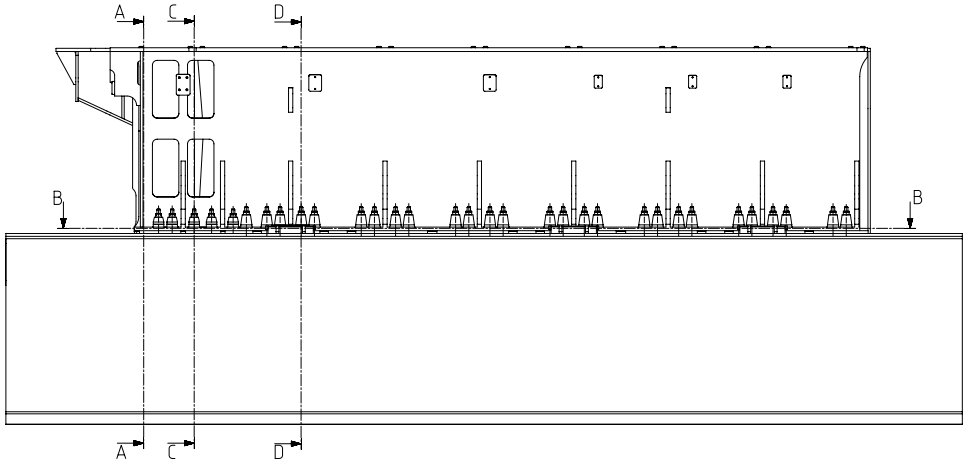
*1) HEIGHT TO BE DETERMINED BY SHIPYARD. FOR DIMENSIONS AND LAYOUT OF LUB. OIL DRAIN TANK AND DRAINS REFER TO DESIGN GROUP 9722

*2) CHOCK THICKNESS $30^{+30}_{-5}$ mm

- FINAL CHOCK THICKNESS TO BE DETERMINED BY SHIPYARD

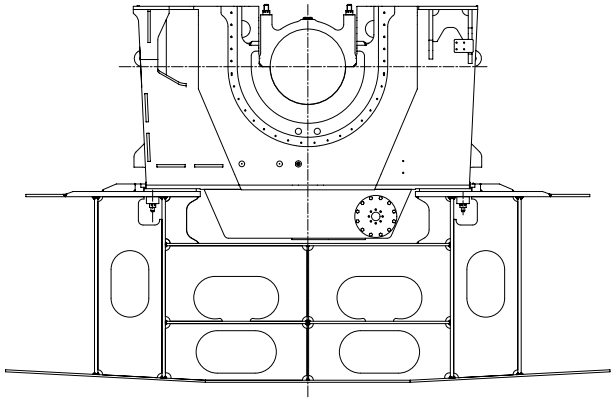
*3) FINAL DISTANCES ACCORDING TO APPROPRIATE RULES

*4) QUANTITY DEPENDING ON SHIPYARD DESIGN




DRIVING END

FREE END



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | 7X60DF-S1.0 7X82DF-S2.0 | 7X60DF-S1.0 7X82DF-S2.0 | | |
| A | npa101 | mhu109 | 23032324 | CNAA03923 | Drawing updated | 4 | 3 |
| - | npa101 | mhu019 | 20.01.2023 | CNAA03921 | Main Design/Drawing Introduced | - | - |
| Rev. | Creator | Approver | Approval Date | Change Nr. | Change Synopsis | Approved | Activity Code |

WIN GD

ENGINE SEATING/FOUNDATION

FOUNDATION ARRANGEMENT: STANDARD

separate BOM available

Dimension

Scale 1:20 | NX | Units [mm] [kg] | Basic Material | Net Weight 1313

Main Design Yes | Design Group 9710 | G-Code X X M | Standard WDS

Qty per Engine | A0 | Item ID PTAA051990 | Drawing Pages 1/3

SURFACE PROTECTION SEE GROUP 9344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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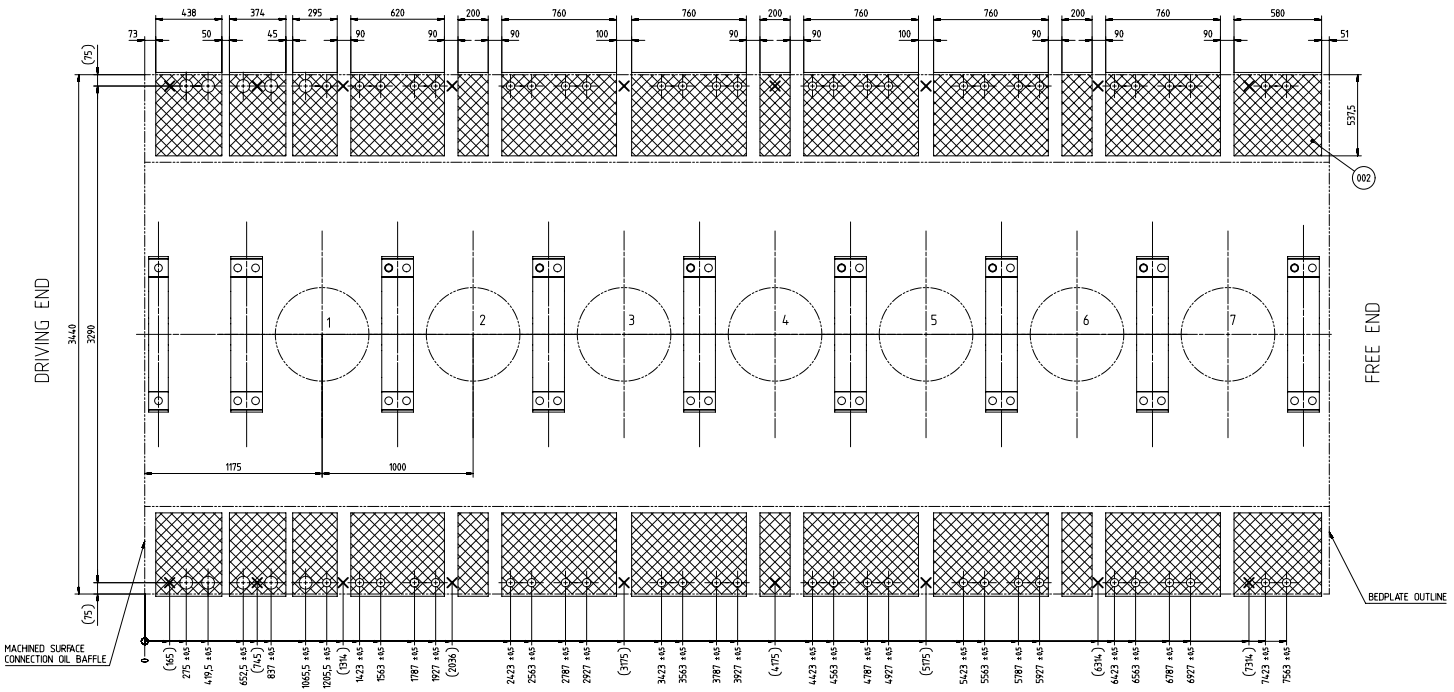
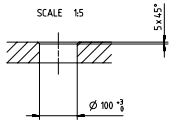
# SECTION B-B

CHOCKING AND DRILLING PLAN FOR FOUNDATION BOLTS




SECTION X-X ↻ 90°

SCALE 1:5




SECTION Y-Y ↻ 90°

SCALE 1:5

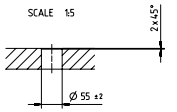



Table : Dimensions of epoxy resin chocks *1)

| No. of Cyl. | Max. perm. mean surface pressure of chock *2) | Total chock length per side | Total net chocking area | Required quantity of epoxy resin material *3) | |
|---|---|---|---|---|---|
| | | | | min. | max. |
| | (N/mm²) | (mm) | (cm²) | (dm³) | |
| 7 | 5.0 | 6707 | 72262 | 149 | 358 |

| No. of Cyl. | Total No. of holes | No. of thrust sleeves |
|---|---|---|
| 7 | 54 | 10 |

*SHOWN ON DRAWING

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)

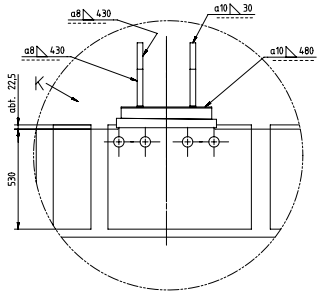
*2) The max. permissible mean surface pressure of the epoxy resin chocks is to be determined by the shipyard in accordance with the relevant classification society / rules.

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

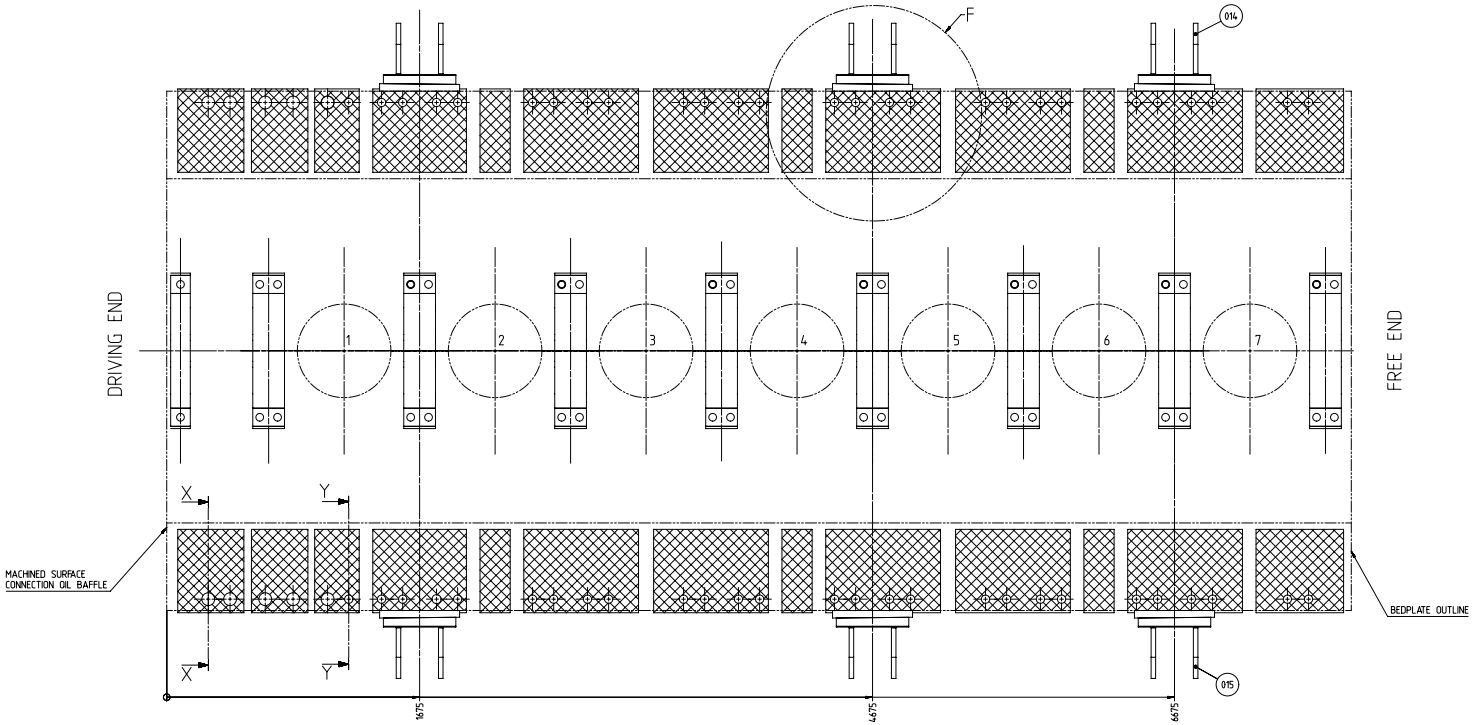
*4) With X marked positions present jacking screws.

DETAIL F

SCALE 1:10

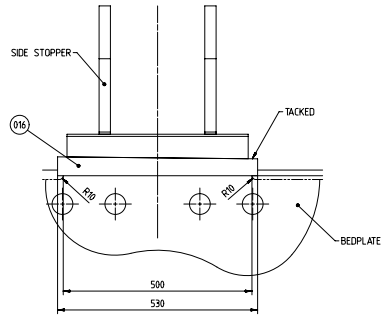



SECTION B-B




DETAIL K

SCALE 1:5

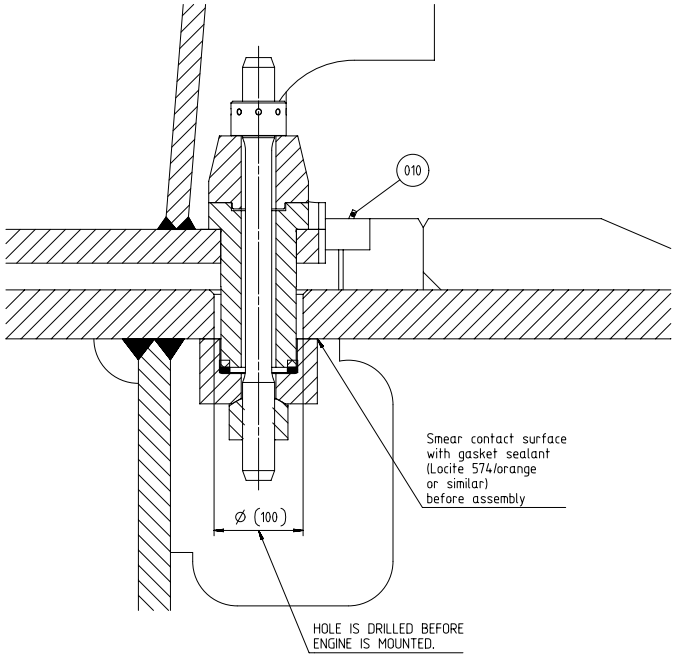



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SURFACE PROTECTION SEE GROUP 1344 | | | | | | | |
| TOLERANCING PRINCIPLE ISO8015 | | | | | | | |
| GENERAL TOLERANCES ACCORDING TO ISO2768-mK | | | | | | | |
| | A | 1pa101 | rtb/CED | 2015.12.04 | CHANGE2CS | Drawing updated | 4 3 |
| | Rev. | Creator | Approver | Approval Date | Change N° | Change Remarks | Abbreviation Activity Code K C |

[mm] [kg] 2:25 NX A0 Item ID PTAA051990 Drawing Page/s 2/3

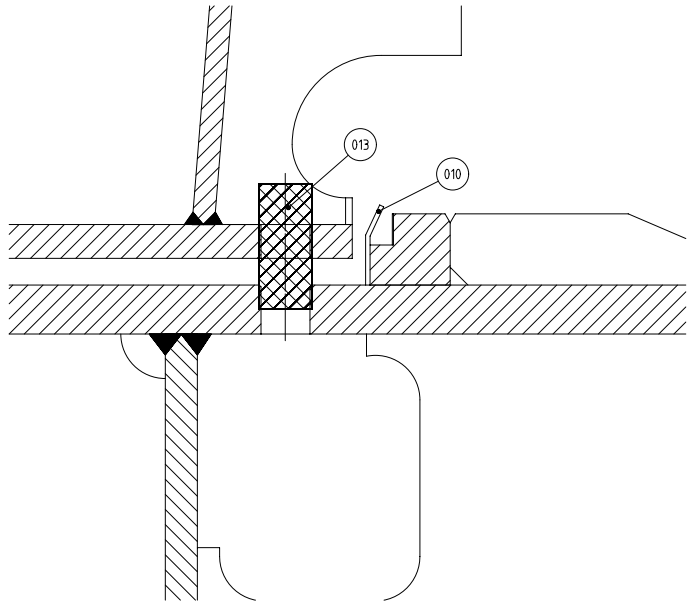
## SECTION C-C

ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



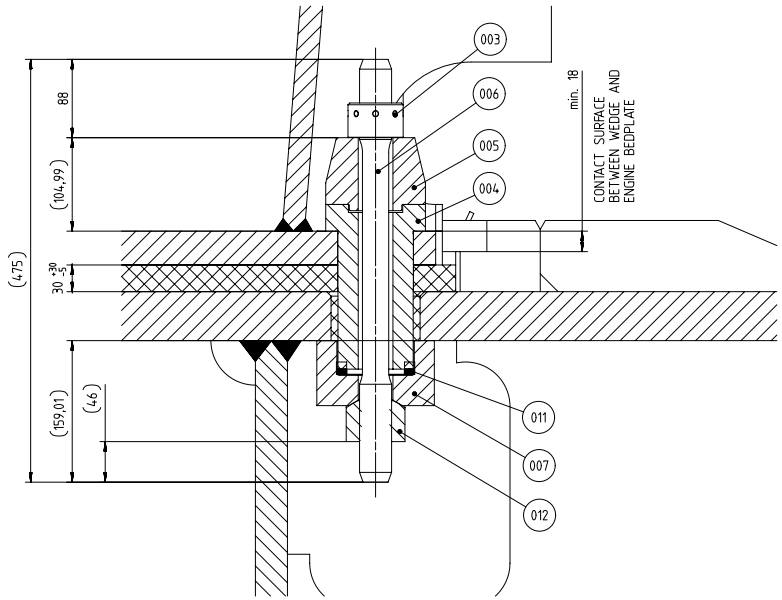

## SECTION D-D

ARRANGEMENT BEFORE POURING
THE EPOXY RESIN CHOCK



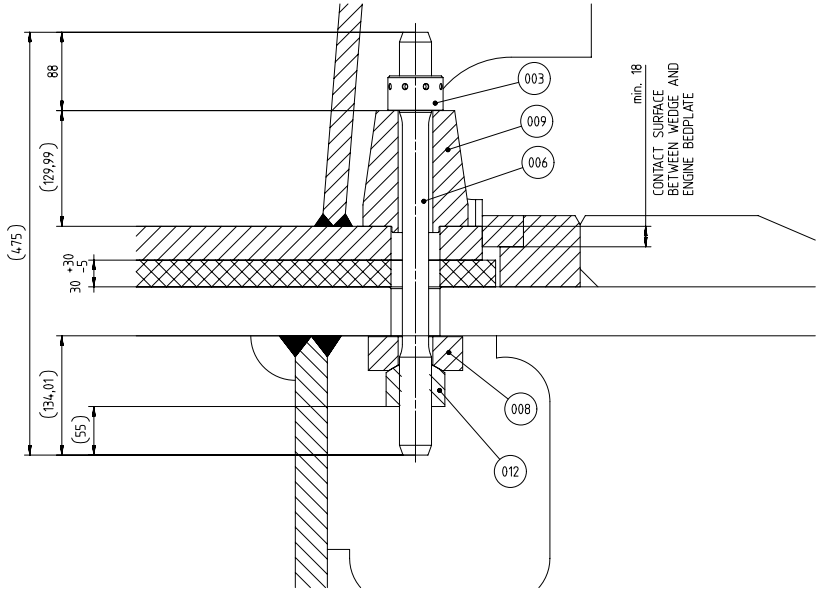

## SECTION C-C

ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK




## SECTION D-D

ARRANGEMENT AFTER POURING
THE EPOXY RESIN CHOCK




| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | A | npa101 | mhu019 | 21082024 | CNAA006231 | Drawing updated | | | 4 | 3 |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | | Activity Code | E | C |

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

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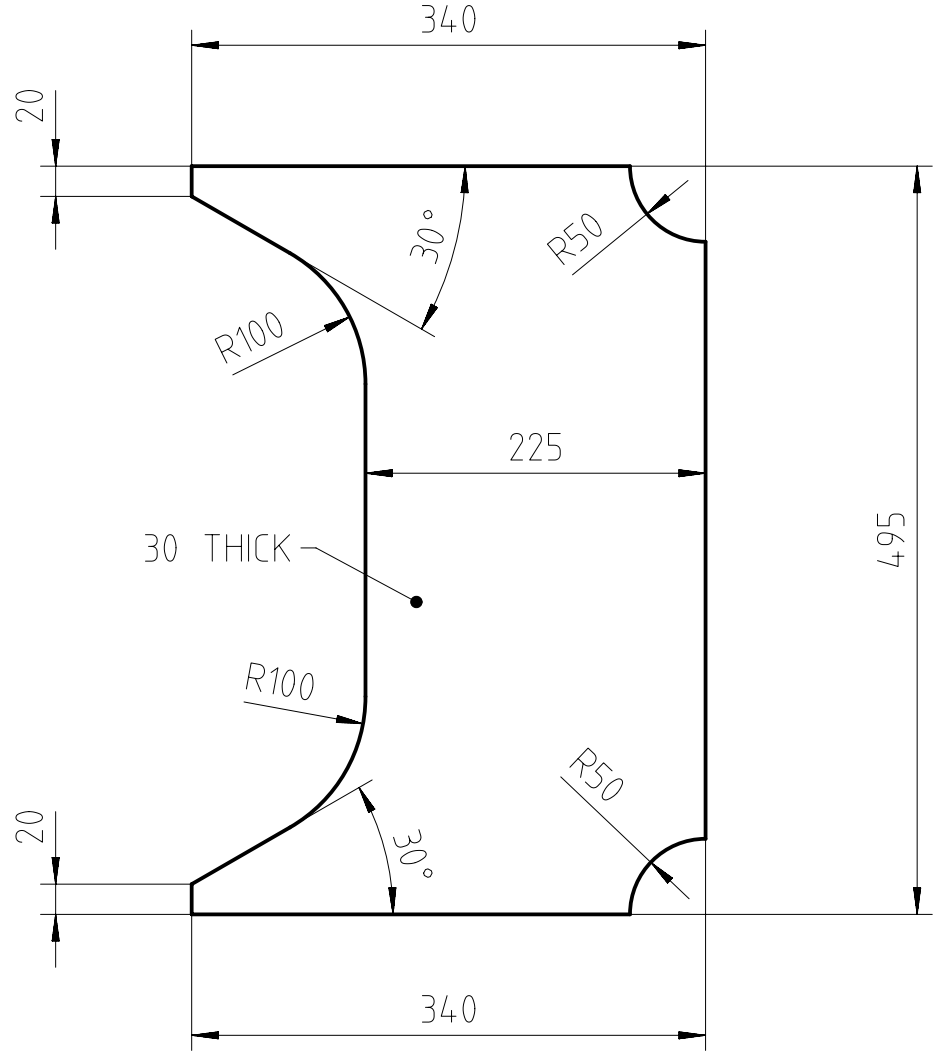
| | | | | | |
|---|---|---|---|---|---|
| [mm] [kg] | 1:3 | A1 | Item ID | PTAA051990 | Drawing Pages 3/3 |
| | NX | | | | |

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




Approved

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Free space for lic.

| Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

Q-Code: XXXXX

Standard: ISO; JIS

Main Drw.

WIN GD Winterthur Gas & Diesel

Product: W-2S

RIB

Rippe

| Units | mm kg | NX | Basic Material | W-FU-355-J0 | Net Weight | 28,6 |
|---|---|---|---|---|---|---|
| Made | 16.12.2020 dki021 DH.Kim | | Scale | 1:5 | Size A4 / Page 1/1 | Material ID PAAD367359 |
| Chkd | 17.12.2020 ksc101 Schenk | | Design Group | 9710 | Drawing ID DAAD138170 | Rev. – |
| Appd | 17.12.2020 mhu019 Hug | | | | | |

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<br>Load550 N / 70°C<br>Load1100 N / 70°C | ASTM D-621 | <br>max. 0.10%<br>max. 0.15% |
| Curing shrinkage | ASTM D-2566 | max. 0.15% |
| Coefficient of thermal expansion (0-60 K) | ASTM D-696 | max. $50 \times 10^{-6}$ 1/K |
| Coefficient of friction normal | | min. 0.3 |

Required properties of epoxy resin material

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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

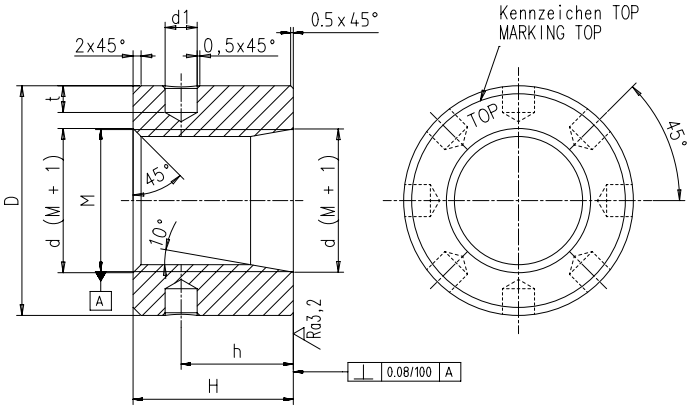
Product: W-2S

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

Ra6,3 (Ra3,2)

| MATERIAL: | 42CrMo4 (ISO) | SCM440 (JIS) |
|---|---|---|
| D >40 – ≤100 | vergütet Rm = 900–1100 N/mm² HEAT TREATED | |
| D >100 – ≤160 | vergütet Rm = 800–950 N/mm² HEAT TREATED | |
| D >160 – ≤250 | vergütet Rm = 750–900 N/mm² HEAT TREATED | |

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

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 | EAAD700017 | 13.01.2011 | B EAAD084319 | 06.02.2013 | C EAAD087822 | 12.07.2017 | | |

WIN GD Winterthur Gas & Diesel

Product W-2S

ROUND NUT

ROUND NUT

Units mm kg | NX | Basic Material | Net Weight

| | | | | | |
|---|---|---|---|---|---|
| SURFACE PROTECTION SEE GROUP 0344 | Made 19.08.2004 pne001 P.Neracher | Scale 1:1 | Size A1 | Page 1/1 | Material ID |
| TOLERANCING PRINCIPLE ISO8015 | Chkd | Design Group 3306 | Drawing ID 107.345.876 | | Rev. C |
| GENERAL TOLERANCES ACCORDING TO ISO2768-mK | Appd 20.08.2004 PNE001 Neracher | | | | |

3D - DIMENSIONAL DRAWING - confidential

Approved

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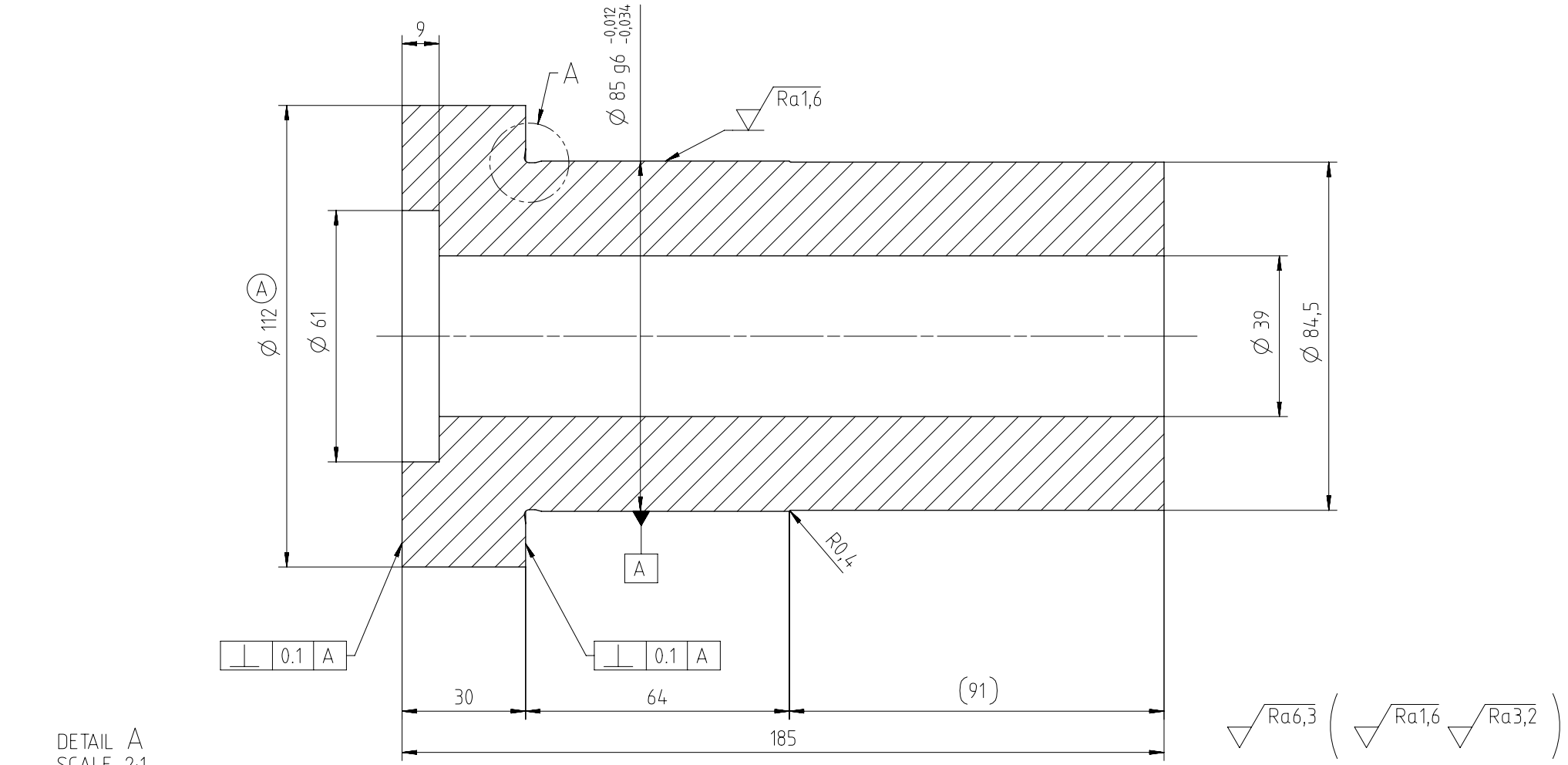
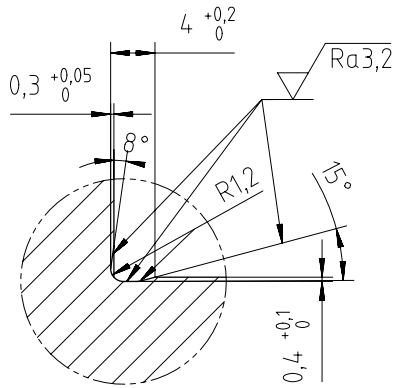



DETAIL A
SCALE 2:1




| Prod. | X62-S2.0 X62DF-1.1 | X62DF-2.1 X62DF-S1.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Change History | | | | | | | | | |
| | | | | | | | | | |
| | A | ssh102 | mhu019 | 19.01.2022 | CNAA001119 | Drawing Updated | | 4 | 3 |
| | – | dki021 | mhu019 | 17.12.2020 | | – | | – | – |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Approved / Activity Code | E | C |

WIN GD
Winterthur Gas & Diesel

SLEEVE

| | | | | | |
|---|---|---|---|---|---|
| Dimension | | | | | |
| Scale 1:1 NX | Units [mm] [kg] | Basic Material | W-FA-34CrMo-QT | Net Weight | 7.280 |
| Main Design | Design Group 9710 | Q-Code XXXXX | | Standard | WDS |
| Qty per | A3 | Item ID | PAAD371093 | Drawing Page/s | 1/1 |

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

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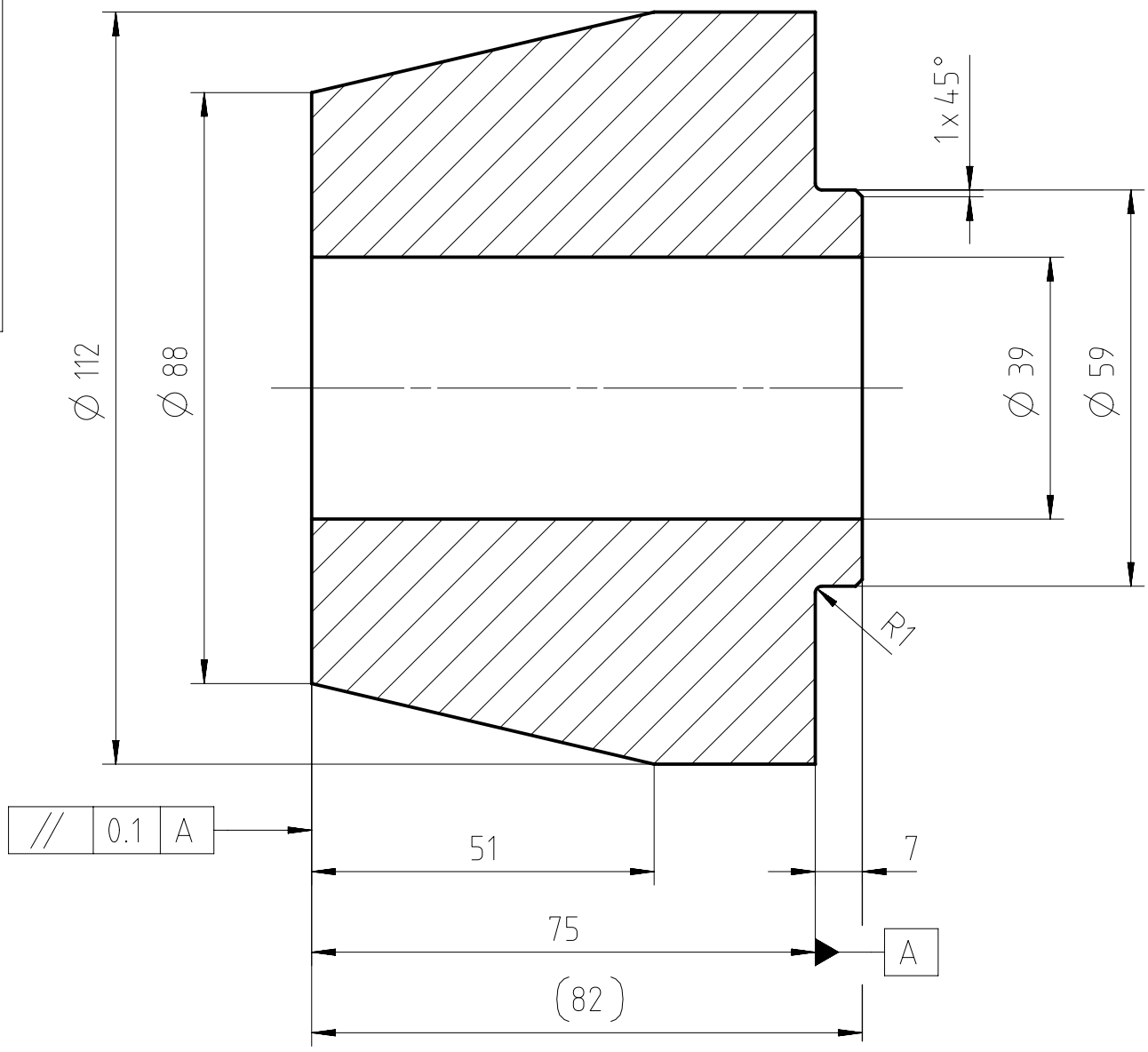
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




Ra6,3

SHARP EDGES REMOVED 0.2x45°

Approved

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Free space for lic.

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

| Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date |
|---|---|---|---|---|---|---|---|---|
| A | EAAD096030 | 02.02.2021 | | | | | | |

WIN GD
Winterthur Gas & Diesel

Product: W-2S

# BUSH

Buechse

| Units | mm kg | NX | Basic Material | W-FU-355-J0 | Net Weight | 4,4 |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Made | 12.12.2020 | dki021 DH.Kim | Scale 1:1 | Size A4 | Page 1/1 | Material ID PAAD371033 |
| Chkd | 17.12.2020 | ksc101 Schenk | Design Group 9710 | Drawing ID DAAD138184 | | Rev. A |
| Appd | 17.12.2020 | mhu019 Hug | | | | |

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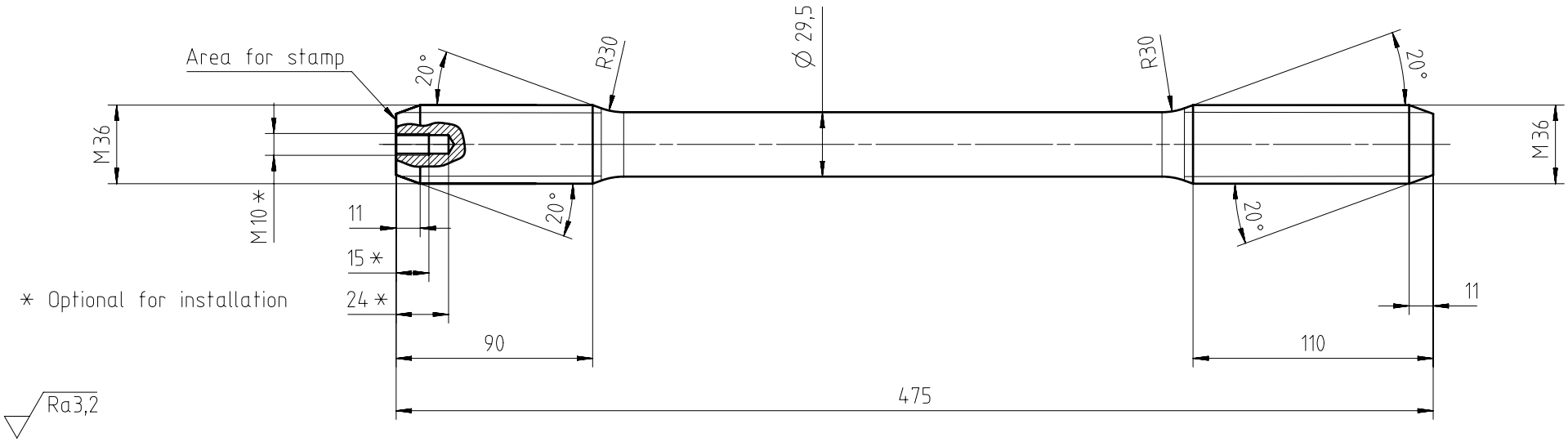
BOTH THREADS AFTER HEAT TREATMENT 100% ROLLED. PRECUTTING NOT ALLOWED.
TOLERANCE CLASS 6g (SFS-ISO 965/1)




* Optional for installation

Ra3,2

QUENCH HARDENED AND TEMPERED

Rm = 1000 $^{+200}_{0}$ N/mm $^{2}$

MACHINED BEFORE THREAD ROLLING

YIELD STRENGTH Re = min. 790 N/mm $^{2}$

ELONGATION AFTER FRACTURE

A(Lo = 5do) = min. 11%

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

| 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 |

Free space for lic.

Q-Code 1QXP1

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

ELASTIC BOLT

Dehnbolzen

| Units | mm kg | NX | Basic Material | W-FA-42CrMo-QT | Net Weight 3,1 |
|---|---|---|---|---|---|
| Made | 16.12.2020 | dki021 DH.Kim | Scale | 1:2 | Size A3 / Page 1/1 / Material ID PAAD371100 |
| Chkd | 17.12.2020 | ksc101 Schenk | Design Group | 9710 | |
| Appd | 17.12.2020 | mhu019 Hug | Drawing ID | DAAD138211 | Rev. – |

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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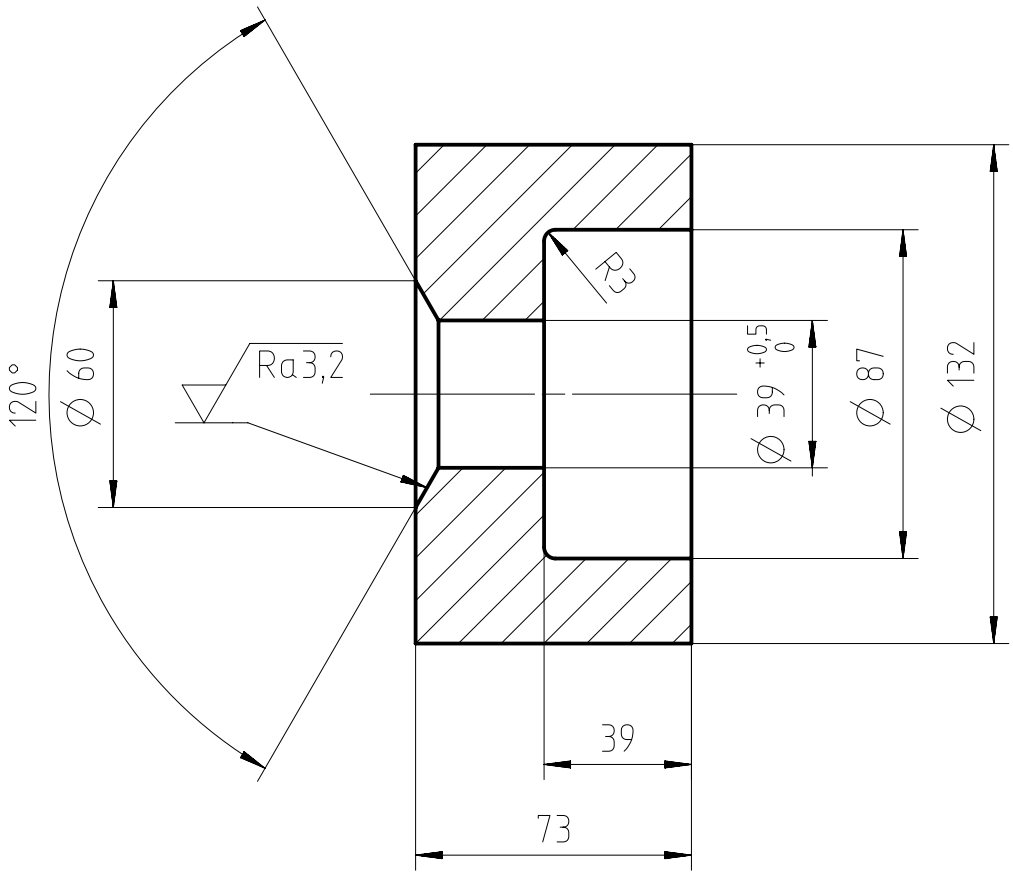
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




Ra6,3 ( Ra3,2 )

Approved

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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

CONICAL SOCKET

| Units | mm kg | NX | Basic Material | W-FA-34CrMo-QT | Net Weight | 5,7 |
|---|---|---|---|---|---|---|
| Made | 11.12.2020 dki021 DH.Kim | | Scale | 1:2 | Size A4 | Page 1/1 |
| Chkd | 17.12.2020 ksc101 Schenk | | Design Group | 9710 | Material ID | PAAD371025 |
| Appd | 17.12.2020 mhu019 Hug | | | | Drawing ID | DAAD138177 |
| | | | | | Rev. | – |

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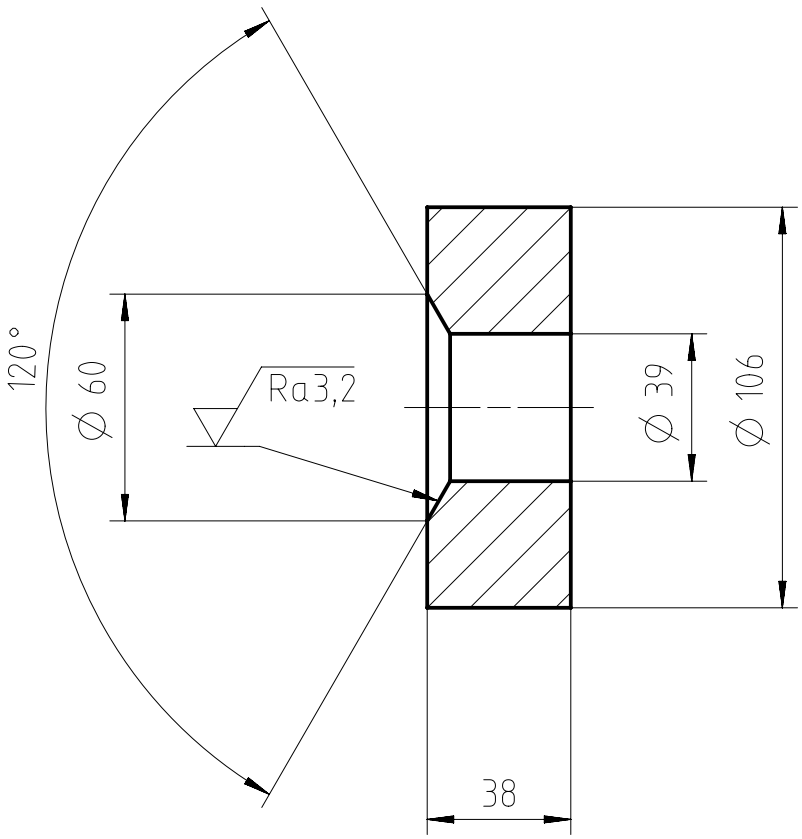
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




Ra6,3 ( Ra3,2 )

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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

WIN GD Winterthur Gas & Diesel

Product W-2S

# CONICAL SOCKET

## Konische Buechse

| Units | mm kg | NX | Basic Material | W-FA-34CrMo-QT | Net Weight | 2,3 |
|---|---|---|---|---|---|---|
| Made | 11.12.2020 | dki021 DH.Kim | Scale | 1:2 | Size A4 / Page 1/1 | Material ID PAAD371030 |
| Chkd | 17.12.2020 | ksc101 Schenk | Design Group | 9710 | Drawing ID DAAD138180 | Rev. – |
| Appd | 17.12.2020 | mhu019 Hug | | | | |

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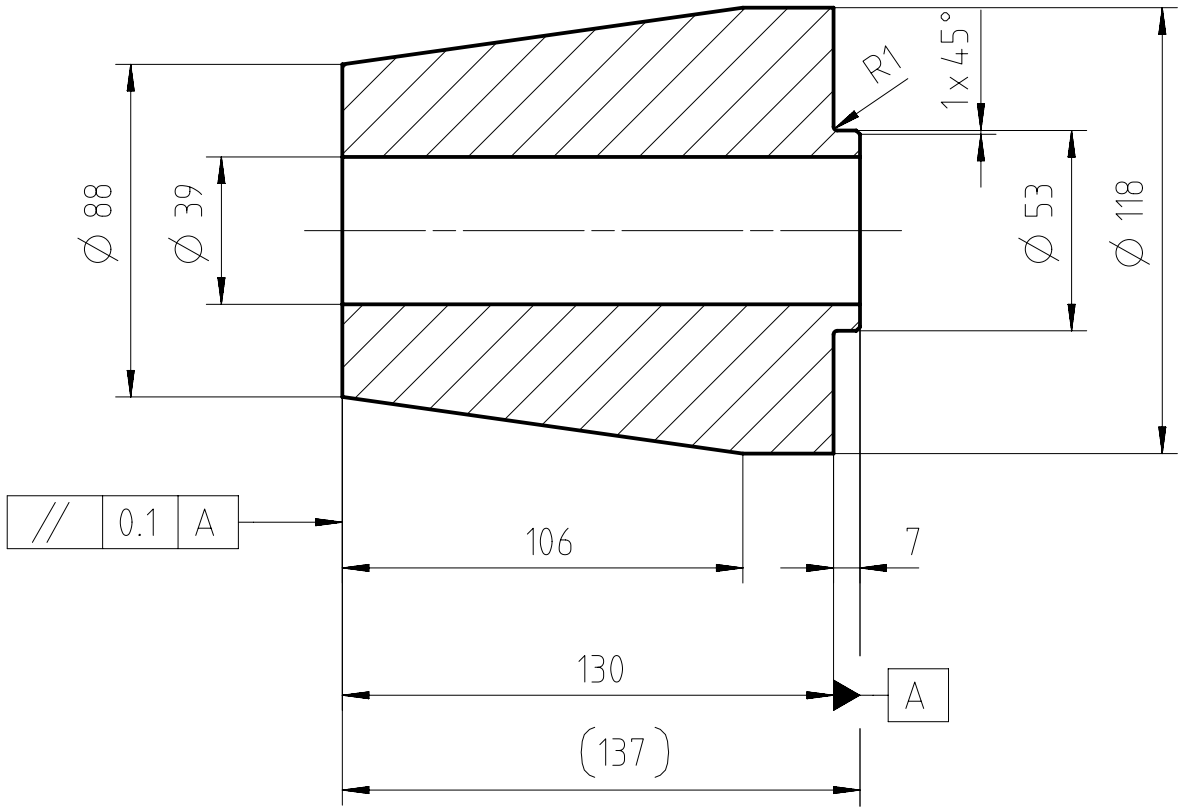
DID - DIMENSIONAL DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




SHARP EDGES REMOVED 0.2x45°

Ra6,3

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 | EAAD096030 | 02.02.2021 | | | | | | |

WIN GD Winterthur Gas & Diesel

Product W-2S

BUSH

Buechse

| Units | mm kg | NX | Basic Material | W-FU-355-J0 | Net Weight | 7,9 |
|---|---|---|---|---|---|---|
| Made | 12.12.2020 dki021 DH.Kim | | Scale | 1:2 | Size A4 / Page 1/1 / Material ID | PAAD371091 |
| Chkd | 17.12.2020 ksc101 Schenk | | Design Group | 9710 | Drawing ID | DAAD138204 |
| Appd | 17.12.2020 mhu019 Hug | | | | Rev. | A |

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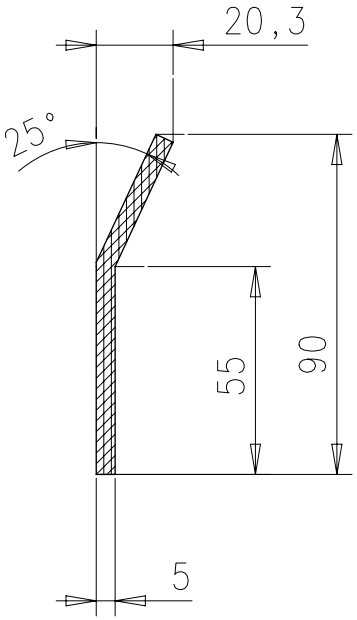
SURFACE PROTECTION SEE GROUP 0344

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 | | | | | | |

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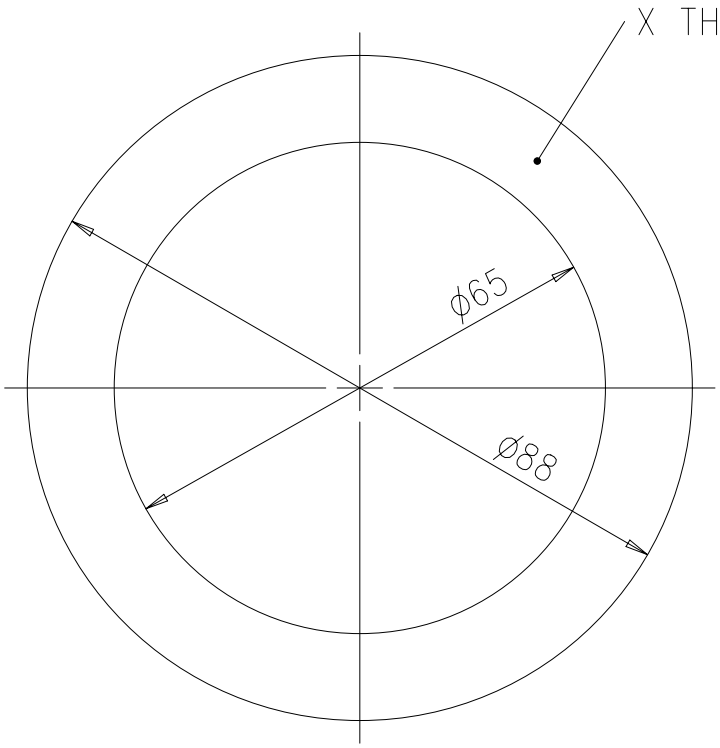
PD - PRODUCTION DRAWING - Confidential

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




X = determined during assembly

* material according to shipyard experience

Approved

| Modif. | | Number | Drawn date |
|---|---|---|---|
| | A | EAAD085169 | 04.07.2014 |
| | B | EAAD091567 | 25.11.2019 |

Free space for lic.

Q-Code XXXXX

Standard ISO; JIS

Main Drw.

Product W-2S

JOINT DISC

Dichtscheibe

| | | | | | |
|---|---|---|---|---|---|
| Units mm kg | NX | Basic Material * | | | Net Weight 0,001 |
| Made 30.10.2012 asex06 A.Sekulic | | Scale 1:1 | Size A4 | Page 1/1 | Material ID PAAD103756 |
| Chkd 15.11.2012 mhu019 Hug | | Design Group 9710 | Drawing ID DAAD032768 | | Rev. B |
| Appd 29.11.2012 wwr001 Wroblewski | | | | | |

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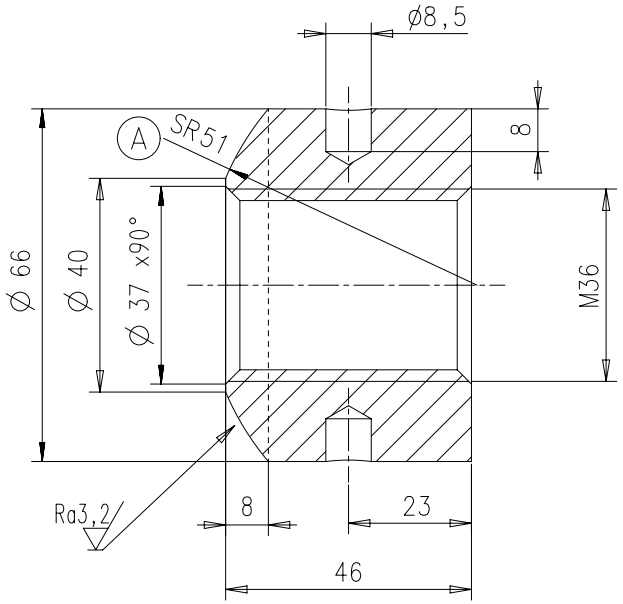


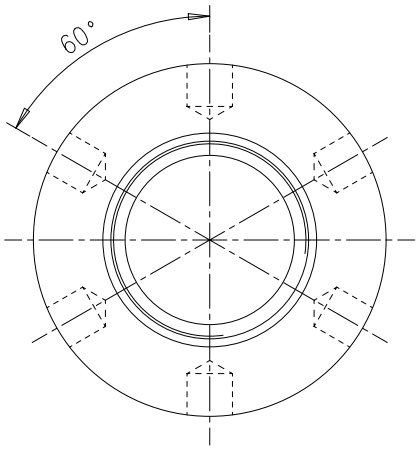


Ra6,3 (Ra3,2) Kanten gebrochen
SHARP EDGES REMOVED
0,2x45°

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Free space for lic. | | | | | | | | Q-Code XXXXX | | Main Drw. | |
| | | | | | | | | Standard ISO; JIS | | | |
| Modif. | A | EAAD087849 | 12.06.2017 | | | | | | | | |
| | | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date |

WIN GD 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

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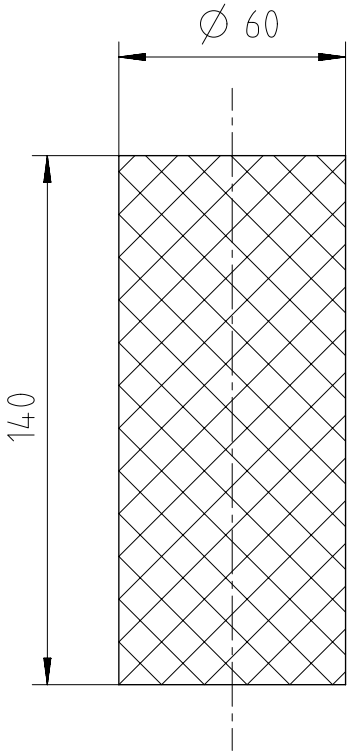
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




(A) Remarks:
Just applied during pouring of the chock
* 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 | EAAD088473 | 10.10.2017 | | | | | | |

WIN G&D Winterthur Gas & Diesel

Product W-2S

PLUG

Stopfen

| Units mm kg | NX | Basic Material * | Net Weight 0,2 |
|---|---|---|---|
| Made 30.06.2008 M. PRSTEC | | Scale 1:2 | Size A4 / Page 1/1 / Material ID 107.401.837.001 |
| Chkd | | Design Group 9710 | |
| Appd 03.07.2008 MPR002 Prstec | | | Drawing ID 107.401.837 / Rev. A |

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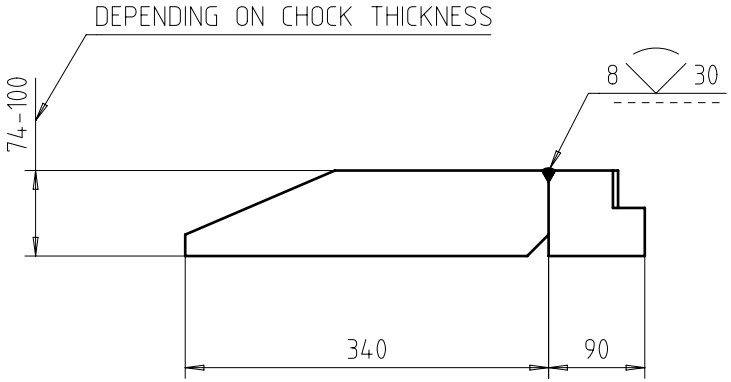


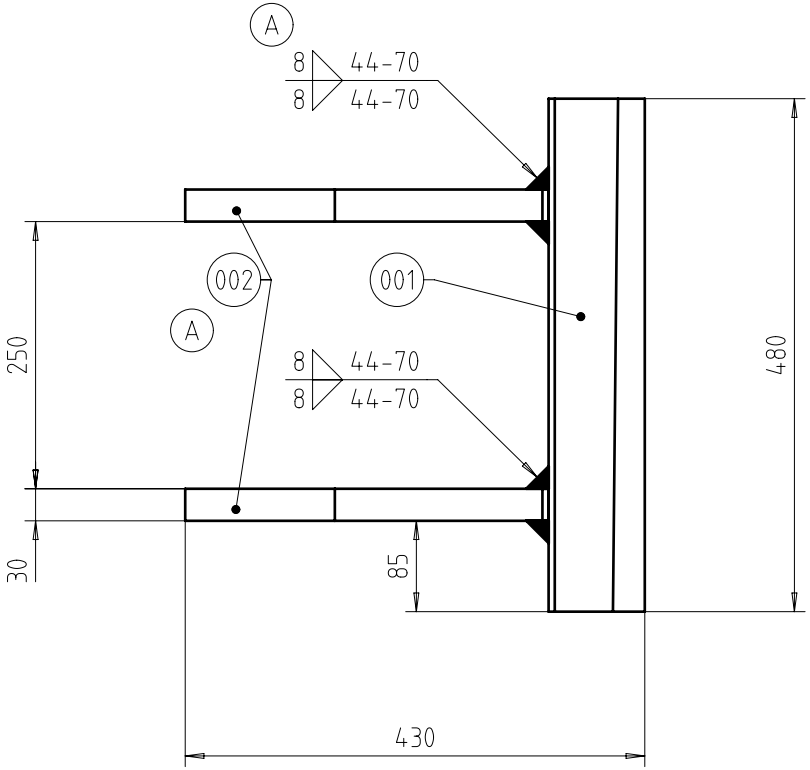


WELD QUALITY LEVEL D (SEE 4-107.345.444)

| QTY | SEQ NO | Material ID | Material Name / Dimension, Occ | Standard or Drawing | Basic Material / Material Standard | Weight GR./NET |
|---|---|---|---|---|---|---|
| 2 | 002 | PAAD139254 | FLAT BAR | DAAD043334 | W-FU-235-JR | 5,4 |
| 1 | 001 | PAAD139255 | FLAT BAR | DAAD043328 | 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 | EAAD089996 | 23.10.2018 | | | | | | |

Approved

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 36.6

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

| | | |
|---|---|---|
| Made | 29.08.2013 rrex05 Reichmuth | |
| Chkd | 07.11.2013 afu005 Furrer | |
| Appd | 07.11.2013 bfr005 Frei | |

Scale 1:5 | Design Group 9710 | Size A3 | Page 1/1 | Material ID PAAD139256 | Drawing ID DAAD043357 | Rev. A

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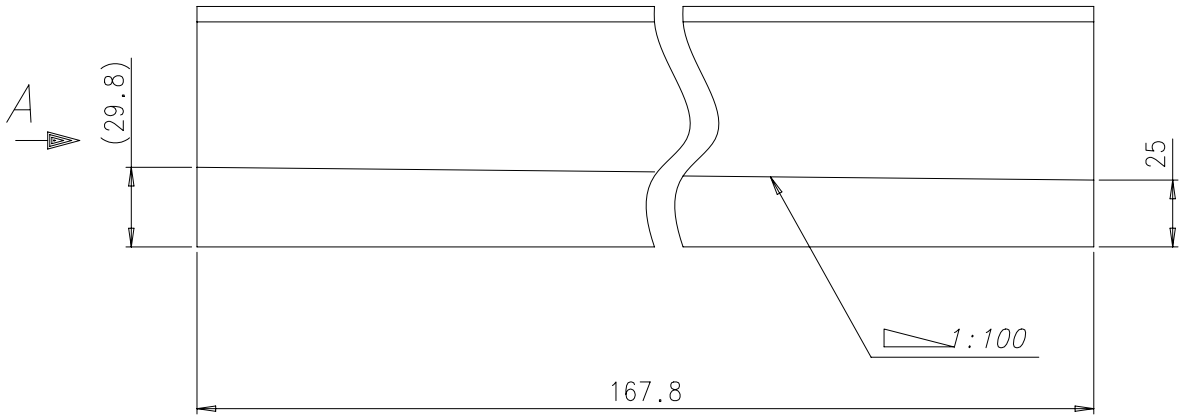


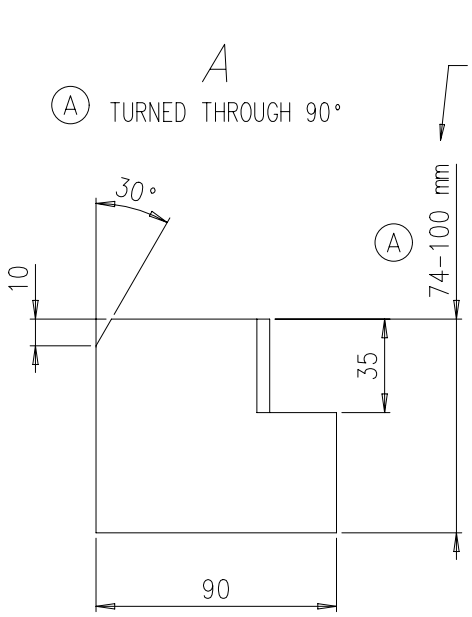


A Ra6,3

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Free space for lic. | | | | | | | | | Q-Code XXXXX | | Main Drw. |
| | | | | | | | | | Standard ISO; JIS | | |
| Modif. | A | EAAD091567 | 24.11.2019 | | | | | | | | |
| | | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date | | |

WIN GD Winterthur Gas & Diesel

Product W-2S

FLAT BAR
TO ENGINE SIDE STOPPER
Flachstahl

| | | | | | |
|---|---|---|---|---|---|
| Units mm kg | NX | | Basic Material W-FU-235-JR | | Net Weight 25,8 |
| SURFACE PROTECTION SEE GROUP 0344 | Made | 28.08.2013 shex07 Sylvant | Scale 1:2 | Size A3 / Page 1/1 | Material ID PAAD139255 |
| TOLERANCING PRINCIPLE ISO8015 | Chkd | 07.11.2013 afu005 Furrer | Design Group 9710 | Drawing ID DAAD043328 | Rev. A |
| GENERAL TOLERANCES ACCORDING TO ISO2768-mK | Appd | 07.11.2013 bfr005 Frei | | | |

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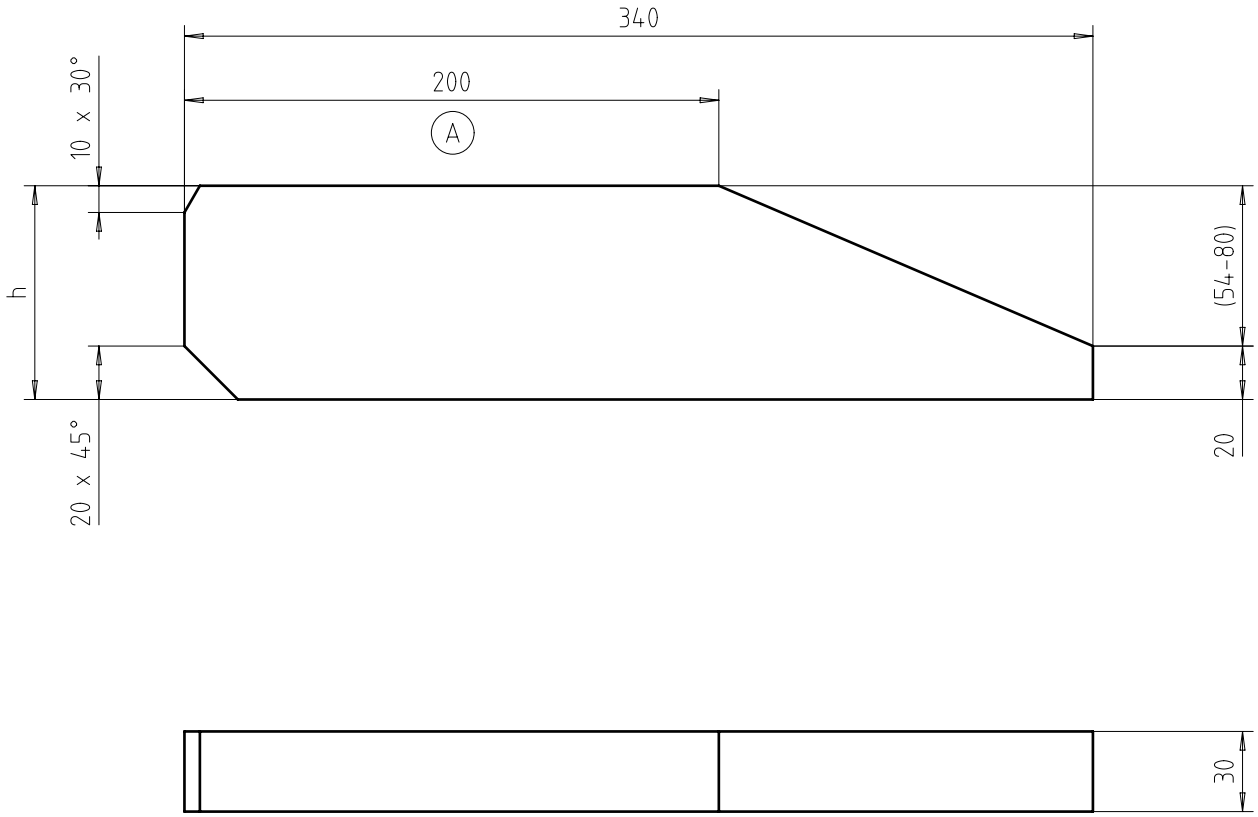


Ra50

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 | EAAD089996 | 23.10.2018 | | | | | | | | |
| | | Number | Drawn date | 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 5.4 |
| Made 28.08.2013 shex07 Sylvant | | Scale 1:2 | Size A3 | Page 1/1 | Material ID PAAD139254 |
| Chkd 07.11.2013 afu005 Furrer | | Design Group 9710 | Drawing ID DAAD043334 | | Rev. A |
| Appd 07.11.2013 bfr005 Frei | | | | | |

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

Approved

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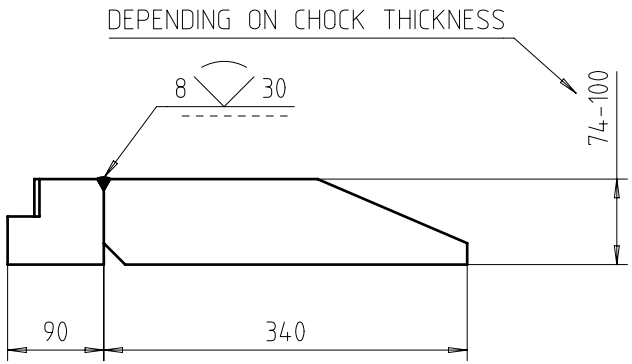


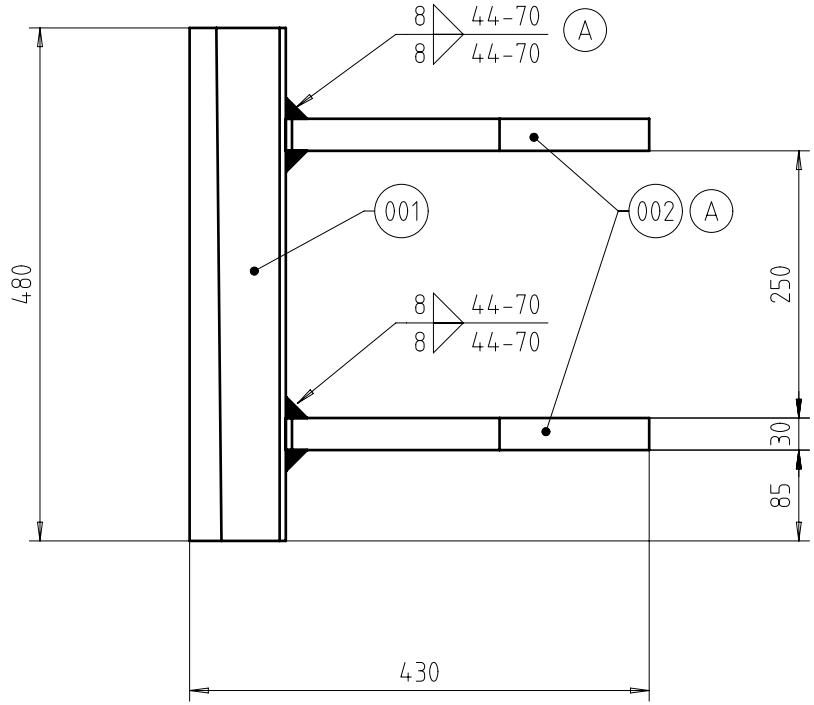


A WELD QUALITY LEVEL D (SEE 4-107.345.444)

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | 002 | PAAD139254 | FLAT BAR | DAAD043334 | W-FU-235-JR | 5,4 |
| 1 | 001 | PAAD139300 | FLAT BAR | DAAD043333 | W-FU-235-JR | 26,0 |
| 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 XXXXX

Standard ISO; JIS

Main Drw.

| Modif. | | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date |
|---|---|---|---|---|---|---|---|---|---|
| | A | EAAD089996 | 23.10.2018 | | | | | | |

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 36.6

| | | | | | | |
|---|---|---|---|---|---|---|
| SURFACE PROTECTION SEE GROUP 0344 | Made | 29.08.2013 rrex05 Reichmuth | Scale 1:5 | Size A3 | Page 1/1 | Material ID PAAD139302 |
| TOLERANCING PRINCIPLE ISO8015 | Chkd | 07.11.2013 afu005 Furrer | Design Group 9710 | Drawing ID DAAD043346 | | Rev. A |
| GENERAL TOLERANCES ACCORDING TO ISO2768-mK | Appd | 07.11.2013 bfr005 Frei | | | | |

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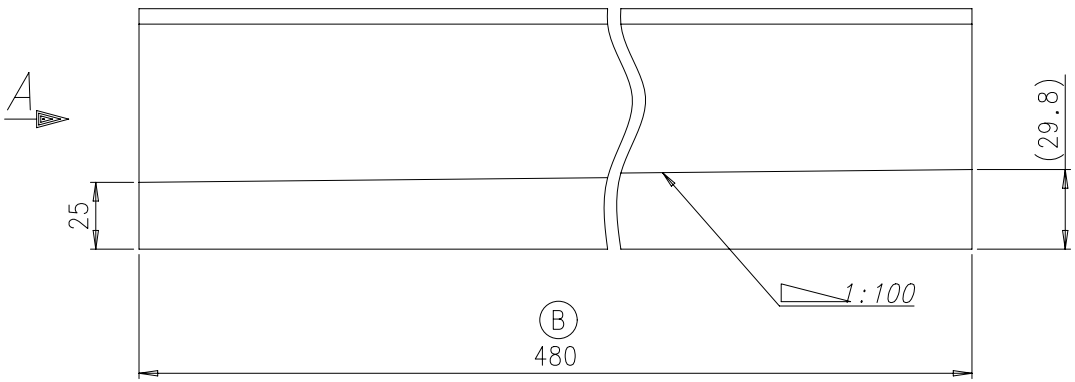


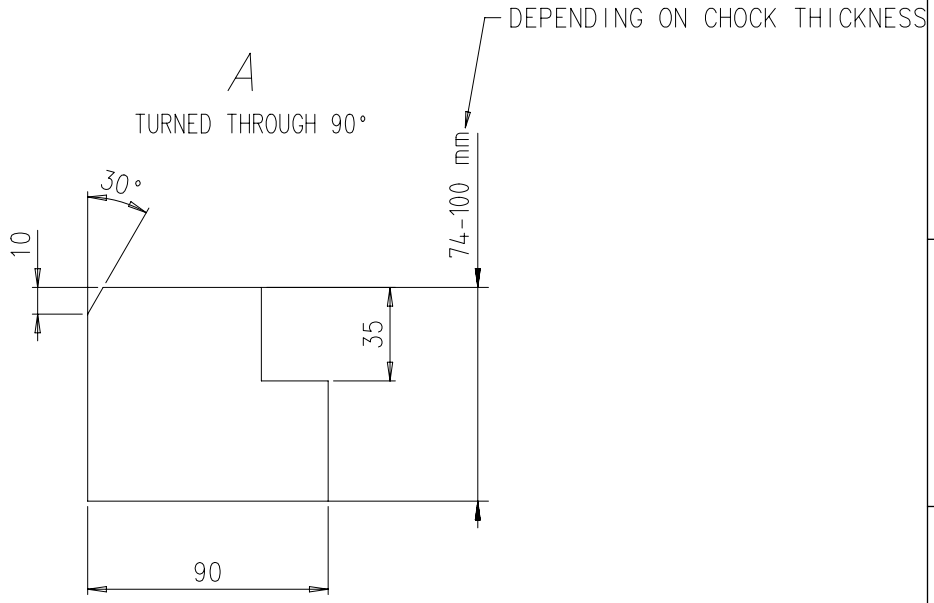


Ra6,3

| Prod. | X62 X62-B | X62-S2.0 X62DF | X62DF-1.1 X62DF-2.1 | X62DF-A-1.0 X62DF-A-S1.0 | X62DF-M-1.0 X62DF-M-S1.0 | X62DF-S1.0 X62DF-S2.0 | X72 X72-B | X72DF [...] |
|---|---|---|---|---|---|---|---|---|

Change History

| Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Approved | Activity Code | E | C |
|---|---|---|---|---|---|---|---|---|---|
| B | npa101 | mhu019 | 23.08.2023 | CNAA004289 | Drawing updated | | | 4 | 3 |
| A | sde101 | mhu019 | 31.07.2020 | EAAD091567 | Legacy information. See corresponding ChangeNotice | | | 4 | 3 |
| – | rrex05 | bfr005 | 07.11.2013 | EAAD776065 | – | | | – | – |

WIN GD
Winterthur Gas & Diesel

# FLAT BAR

Dimension

| Scale | Units | Basic Material | Net Weight |
|---|---|---|---|
| 1:2 NX | [mm] [kg] | W-FU-235-JR | 23.50 |

| Main Design | Design Group | Q-Code | Standard |
|---|---|---|---|
| | 9710 | X X M | WDS |

| Qty per | Item ID | Drawing Page/s |
|---|---|---|
| A3 | PAAD139300 | 1/2 |

SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

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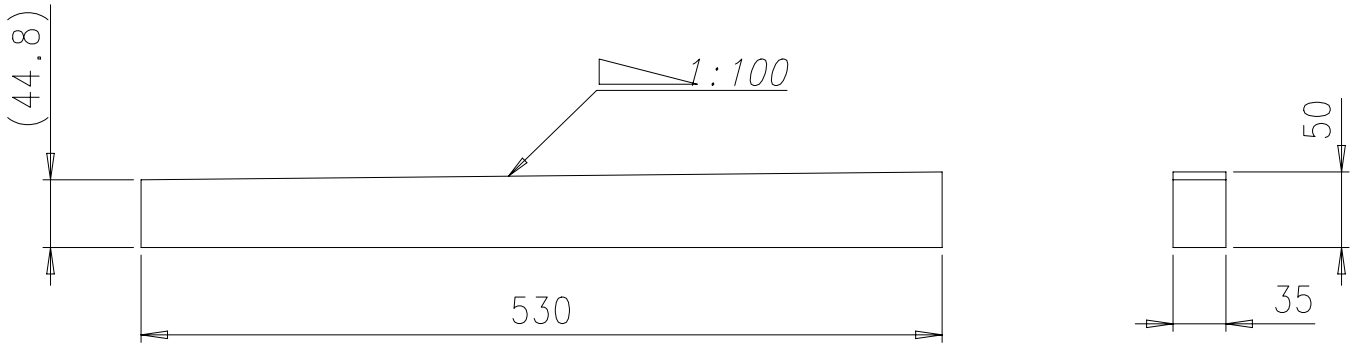
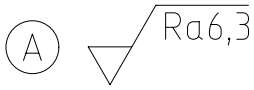
SURFACE PROTECTION SEE GROUP 0344

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK




Approved

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

| Modif. | Number | Drawn date | Number | Drawn date | Number | Drawn date | Number | Drawn date |
|---|---|---|---|---|---|---|---|---|
| A | EAAD091567 | 25.11.2019 | | | | | | |

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 | 10.09.2013 tsc005 Schüeli | | Scale | 1:5 | Size A4 / Page 1/1 | Material ID PAAD140810 |
| Chkd | 07.11.2013 afu005 Furrer | | Design Group | 9710 | Drawing ID DAAD043839 | Rev. A |
| Appd | 07.11.2013 bfr005 Frei | | | | | |

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# MIDS – Engine Seating Foundation (DG9710)

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

## TRACK CHANGES

| DATE | SUBJECT | DESCRIPTION |
|---|---|---|
| 2020-12-18 | DRAWING SET | First web upload |
| 2021-02-08 | DAAD138184A<br>DAAD138204A | New revision |
| 2022-03-02 | PAAD365793A | New revision |
| 2022-07-11 | PAAD365793B | New revision |
| 2023-01-20 | PTAA051990- | New drawing |
| 2023-01-08 | PAAD139300A | New revision |
| 2024-08-22 | PAAD365793C<br>PTAA051990A | New revision |


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