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|  | <p>Manufacturing, testing and supply of vacuum vessels for HNB3 (Beam Line Vessel and Beam Source Vessel) and DNB</p> <p><i>Annexure 14: CAD requirements and Bill of Materials /</i></p> | <p>INDUS Ref No II-5UCUL9Z- v1.1</p> |
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|  | Manufacturing, testing and supply of vacuum vessels for HNB3 (Beam Line Vessel and Beam Source Vessel) and DNB <i>Annexure 14: CAD requirements and Bill of Materials /</i> | INDUS Ref No II-5UCUL9Z- v1.1 |
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1. Scope

This annexure covers list of engineering drawings applicable for the manufacturing of DNB Vessel and HNB3 Vessel. The document also describes the requirements for preparation for the manufacturing drawings and other CAD requirements.

2. CAD documentation requirements

3.1 The Bidder shall ensure that all manufacturing drawings prepared by bidder or its suppliers shall comply with the Procedure for the Management of CAD Work& CAD Data (Models and Drawings) ITER_D_2DWU2M v2.0

3.2 Bidder shall submit manufacturing model using CATIA V5 R23 (or latest release) as mentioned in Procedure for the Management of CAD Work& CAD Data (Models and Drawings) ITER_D_2DWU2M v2.0

3.3 Manufacturing model submitted by bidder needs to be synchronized in ENOVIA. After a contract award, ITER-India shall provide training of ~5 Days followed by an examination by ITER-India to a Bidder's representative for management of CAD data in ENOVIA (IO System). Bidder's representative proposed for training shall have knowledge and work experience in CATIA software as described in the [CAD World wide support concept and procedures \(34VB64\)*](#):

The supplier shall comply with the following requirements for manufacturing drawings and diagrams:

- [Diagrams and Drawings Management System Working Instruction \(KFMK2B v2.2\)](#)
- Description of "How-to" use SMDD: How to use the SMDD Application (System for the Management of Diagrams and Drawings) (JKT5KN)


3.4 Subsequent changes in manufacturing model due to deviation requests or Non conformities shall be updated by the Bidder in ENOVIA system **at ITER-India premises**.

3.5 Output from the Bidder: Manufacturing Design as input of Manufacturing Readiness Review

As-Built Design (including any modifications implemented during the course of manufacturing processes and reflecting the status of the components / system delivered to IO site)

3.6 Bidder shall and version the models transferred by ITER-India / IO through the Design Data DET.

3.7 This data produced by the supplier directly in ITER ENOVIA DB shall be promoted into DA-Draft status:

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|  | Manufacturing, testing and supply of vacuum vessels for HNB3 (Beam Line Vessel and Beam Source Vessel) and DNB <i>Annexure 14: CAD requirements and Bill of Materials /</i> | INDUS Ref No II-5UCUL9Z- v1.1 |
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- On a regular basis for checking and monitoring by ITER-India / IO (Frequency to be defined in preparation phase, according to the detailed work plan agreed during kick-off meeting)
- In relation with any Project change request (PCR) or deviation change request (DCR)
- Before manufacturing documents are checked for manufacturing agreement
- As Built models and drawings at the end of the manufacturing phase

In addition, the supplier shall provide:

- Design Log Book (File attached like document in ENOVIA / CATIA customisation provided by IO DO-) will be filled in order to allow the tracking of design changes and the related CAD data versioning.
- Bill Of Material (CATIA customisation provided by IO DO)
- CAD Quality Checking verifying the compliance of the CAD models with the CAD Manual

These documents are provided within the DET process run by the ITER-India DA to perform any delivery of CAD data.

3. Functional Reference (FR) and Part No. of ITER (PNI)

Functional Reference (FR) and Part No. of ITER (PNI) shall be included in all the manufacturing drawings (sub-components and assembly drawings) for DNB Vessel and HNB3 Vessel.

- Functional Reference for DNB Vessel is: 5304V1-NBV -0001
- Part No. of ITER (PNI) for DNB Vessel is: I-00-2U8LSP
- Functional Reference for HNB3 Vessel is: will be provided before contract placement
- Part No. of ITER (PNI) for HNB3 Vessel is: will be provided before contract placement

4. Bill of Materials

Bill of Materials for HNB3 Vessel and DNB Vessel are listed in the subsequent pages. All dimensions in the drawings are provided at room temperature (20° C).

In addition, ITER-India shall provide CATIA model representing geometry of DNB Vessel and HNB3 Vessel. Any changes issued later during tendering process in the 3D CAD models and 2D drawings shall be agreed on by Bidder and ITER-India / IO. Should there be any discrepancy found in the 3D CAD and 2D drawing, the same shall be brought to the notice of ITER-India at the time of pre-bid. ITER-India will assess it and provide the necessary clarification. If such case arises during the execution of the contract, ITER-India's / IO's decision shall be considered as the final.

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Information:
on Sheet 22, Scope of
procurement is for information

| Item No. | Part Number | Material after | Quantity | Weight | Drawing Number | Revision Drawing | Drawing SMDD ID | Part Type | Comments |
|----------|--|--------------------------|----------|--------------|-------------------|------------------|-----------------|------------------|----------------------------------|
| 1 | HNB_BEAM_LINE_VESSEL#N3ZUDC | 316LN | 1 | 48169.912kg | 046910 | H | Y4HGRH | BlP | |
| 2 | TOP_LID#6VPXZP | 316LN | 1 | 14685.708kg | 046713 | E | Y4HGD3 | BlP | |
| 3 | BASE_PLATE#UGZU5Y | 316LN | 6 | 18.99kg | 046917 | D | Y4HH3E | BlP | |
| 4 | INTERFACE_TOP_LID_TOOL#NEUGRH | 316LN | 4 | 40.203kg | 046925 | E | Y4HHR9 | BlP | |
| 5 | GUIDING_PAD#YT8HTL | 316LN | 6 | 3.55kg | 046932 | E | Y4HJ7K | BlP | |
| 6 | SB_NUT_SUPPORT1#2CLCEH | 316LN | 4 | 6.598kg | 056892 | C | 4M2CGU | BlP | |
| 7 | SB_NUT_SUPPORT2#2AFZFK | 316LN | 16 | 8.918kg | 056893 | C | 4M2C8T | BlP | |
| 8 | SB_NUT_SUPPORT4#2AG2YD | 316LN | 4 | 6.588kg | 056894 | C | 4M2CAS | BlP | |
| 9 | SB_NUT_SUPPORT5#2AG328 | 316LN | 2 | 8.918kg | 056895 | C | 4M2CCR | BlP | |
| 10 | SB_NUT_SUPPORT6#2AKUJF | 316LN | 2 | 5.174kg | 056841 | C | 4M2CEQ | BlP | |
| 11 | SB_NUT_SUPPORT7#2AKULG | 316LN | 2 | 5.172kg | 056842 | C | 4M2CGP | BlP | |
| 12 | SB_NUT_SUPPORT8#2AKUNH | 316LN | 2 | 5.172kg | 056886 | C | 4M2CJ6 | BlP | |
| 13 | SB_NUT_SUPPORT9#2AKUQJ | 316LN | 2 | 5.172kg | 056885 | C | 4M2CL5 | BlP | |
| 14 | BLV_T_SLOT_KEY#3GGXH3 | Inconel_718 | 224 | 0.968kg | 056923 | C | 4M2AR3 | BlP | |
| 15 | INSIDE_SHIMS_FRONT_LEFT_NED#2LFXUR | 316LN | 1 | 133.45kg | 056915 | C | 4M2B93 | BlP | |
| 16 | INSIDE_SHIMS_REAR_LEFT_RID#2LFXWQ | 316LN | 1 | 133.45kg | 056916 | C | 4M2BTS | BlP | |
| 17 | INSIDE_SHIMS_FRONT_LEFT_RID#2LFXYP | 316LN | 1 | 133.45kg | 056917 | C | 4M2BB2 | BlP | |
| 18 | INSIDE_SHIMS_R_LEFT_CALORIMETER#2LFY2E | 316LN | 1 | 133.45kg | 056918 | C | 4M2BMV | BlP | |
| 19 | INSIDE_SHIMS_FT_LEFT_CALORIMETER#2LFY4D | 316LN | 1 | 33.627kg | 056920 | C | 4M2BHX | BlP | |
| 20 | INSIDE_SHIMS_FT_RIGHT_CALORIMETER#2QLVV8 | 316LN | 1 | 32.501kg | 056862 | C | 4M2BKW | BlP | |
| 21 | INSIDE_SHIMS_FRONT_RIGHT_NED#2QLVXE | 316LN | 1 | 132.196kg | 056871 | C | 4M2BDZ | BlP | |
| 22 | INSIDE_SHIMS_FRONT_RIGHT_RID#2QLVZD | 316LN | 1 | 132.196kg | 056879 | C | 4M2BFY | BlP | |
| 23 | INSIDE_SHIMS_REAR_CALORIMETER#2QLW3P | 316LN | 1 | 132.196kg | 056887 | C | 4M2BPU | BlP | |
| 24 | INSIDE_SHIMS_REAR_RIGHT_NED#2QLW5Q | 316LN | 1 | 68.586kg | 056891 | C | 4M2BVR | BlP | |
| 25 | INSIDE_SHIMS_REAR_RIGHT_RID#2QLW7R | 316LN | 1 | 132.196kg | 056911 | C | 4M2BXQ | BlP | |
| 26 | INSIDE_SHIMS_REAR_LEFT_NED#2QHSU2 | 316LN | 1 | 69.716kg | 056921 | C | 4M2BRT | BlP | |
| 27 | ITEM NOT USED | | | | | | | | |
| 28 | DOWEL_FLOOR_PADS#FQUEKJ | 316LN | 6 | 3.798kg | 046927 | E | Y4HHV3 | BlP | |
| 29 | DOWEL_CRYOFLANGE#L4AZRM | 316LN | 4 | 0.699kg | 046909 | E | Y4HGP6 | BlP | |
| 30 | CONICAL_SEAT_DIN_6319_D_42#59HLSF | Inconel_718 | 448 | 0.248kg | | | | Standard Part | |
| 31 | INTERFACE_RH_RAIL_CRYO#436CPX | 316LN | 4 | 2.394kg | 057025 | C | 4M2BZP | BlP | |
| 32 | DOWEL_CRYOPUMP_RAIL#FQUEMK | 316LN | 8 | 0.004kg | 046923 | D | Y4HHJN | BlP | |
| 33 | TUBE_CONNECTOR_SS_T6M_S_1M_6ME#L4AYWG | 316L | 10 | 0.003kg | 046910 - SHEET 15 | G | Y4HGRH | BlP | |
| 34 | 316L-4-VCR-3-6MTB7#525Q7F | 316L | 17 | 0.014kg | | | | Standard Part | |
| 35 | 316L-4-VCR-4#54ZFAW | 316L | 17 | 0.015kg | | | | Standard Part | |
| 36 | SS-4-VCR-CP#4XANNW | 316L | 17 | 0.037kg | | | | Standard Part | |
| 37 | SS-4-VCR-2-GR#4XANQV | 316L | 17 | 7.66e-004kg | | | | Standard Part | |
| 38 | TUBE_90_SS_T6M_S_1M_6ME#3KKHKE | 316L | 7 | 0.009kg | 046910 - SHEET 04 | G | Y4HGRH | BlP | |
| 39 | Viton seal FS / BLV | Viton (Fluoro Elastomer) | 1 | | 432-0237924 | --- | 5L4E2L | PO Specification | |
| 40 | FLANGE_FS_BLV#VGMJBT | 316LN | 1 | 1638.739kg | 046724 | E | Y4HGGM | BlP | |
| 41 | FLANGE_EXT_OUTER_SEAL#WH6TK6 | Viton (Fluoro Elastomer) | 1 | 1.919kg | 432-0237607 | --- | 4GSGKV | PO Specification | Flange out of the scope |
| 42 | FLANGE_EXT#VHXH2B | 316LN | 1 | 4275.93kg | 046726 | F | Y4HGJW | BlP | |
| 43 | FLANGE_EXT_INNER_SEAL#4GXZYY | Viton (Fluoro Elastomer) | 1 | 1.892kg | 432-0229445 | --- | 4W7H8W | PO Specification | Flange out of the scope |
| 44 | CUSTOM_BLANK_FLANGE_DN250#VHVVEV | 316LN | 1 | 42.185kg | 058590 | B | 5BRPV6 | BlP | |
| 45 | HUMAN_FLANGE#VEAHQL | 316LN | 1 | 224.006kg | 046735 | F | Y4HGMF | BlP | |
| 46 | VACUUM_FLANGE_CRYOPUMP#VSQVKQ | 316LN | 2 | 119.136kg | 046911 | E | Y4HGYB | BlP | |
| 47 | CUSTOM_BLANK_FLANGE_DN150#5AMFCS | 316LN | 1 | 16.638kg | 046931 | F | Y4HJ44 | BlP | |
| 48 | CUSTOM_BLANK_FLANGE_DN100#5AMFDA | 316LN | 1 | 15.848kg | 058608 | A | 56VJT3 | BlP | |
| 49 | BEAM_LINE_VESSEL_SEAL#VGVGAZ | - | 1 | 0kg | 111-0227449 | --- | 3FTKNZ | PO Specification | Free issue item procured by IO |
| 50 | DOUBLE_SEAL_PUSH_FIT_RETAINER#5BF8TG | 660 | 9 | 3.119e-004kg | 058611 | A | 5BK8X8 | BlP | |
| 51 | PUSHING_BOLT#JNWW695 | 42CrMo4 | 2 | 0.064kg | 050053 | F | Y5A4HY | BlP | |
| 52 | CUSTOM_SB8_M36_4_PITCH_L152_5#3EQJYF | Inconel_718 | 224 | 2.186kg | 057038 | C | 4M2AUH | BlP | NORLOCK - SB8 - M36_4_Pitch L152 |
| 53 | BLV_RH_RAIL_HMG35A_90DEG#Y7F9SN | 316LN | 4 | 8.633kg | 057088 | C | 4M2AK6 | BlP | |
| 54 | BLV_RH_RAIL_HMG35A_SHORT#Y7FA7K | 316LN | 2 | 18.056kg | 056860 | C | 4M2AP4 | BlP | |

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|-----|--|--|-----|--------------|-------------|-----|--------|------------------|---|
| 55 | BLV_RH_RAIL_HMG35A_LONG#Y7FA3M | 316LN | 2 | 68.382kg | 056840 | C | 4M2AM5 | BP | |
| 56 | LIFTING_LUG#96TP7R | 316LN | 4 | 93.977kg | 056914 | C | 4M2C4V | BP | |
| 57 | CYLINDER_HEAD_SCREW_ISO_4762_M4X10#57ANTQ | 660 (Copper Anti-Size Coating) | 8 | 0.002kg | | | | PO Specification | |
| 58 | CYLINDER_HEAD_SCREW_ISO_4762_M8X20#4BY4HK | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.015kg | | | | PO Specification | |
| 59 | CYLINDER_HEAD_SCREW_ISO_4762_M8X45#527536 | 42CrMo4 (Manganese Phosphate coating) | 316 | 0.025kg | | | | PO Specification | |
| 60 | CYLINDER_HEAD_SCREW_ISO_4762_M10X30#54XAKH | 660 (Copper Anti-Size Coating) | 48 | 0.032kg | | | | PO Specification | |
| 61 | CYLINDER_HEAD_SCREW_ISO_4762_M12X45#54XA5A | 660 (Copper Anti-Size Coating) | 48 | 0.061kg | | | | PO Specification | |
| 62 | CYLINDER_HEAD_SCREW_ISO_4762_M16X70#58DQTJ | 42CrMo4 (Manganese Phosphate coating) | 10 | 0.156kg | | | | PO Specification | |
| 63 | CYLINDER_HEAD_SCREW_ISO_4762_M16X80#5AQFNF | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.171kg | | | | PO Specification | |
| 64 | CYLINDER_HEAD_SCREW_ISO_4762_M20X65#544N8G | 42CrMo4 (Manganese Phosphate coating) | 122 | 0.25kg | | | | PO Specification | |
| 65 | CYLINDER_HEAD_SCREW_ISO_4762_M20X70#54XEHB | 42CrMo4 (Manganese Phosphate coating) | 36 | 0.262kg | | | | PO Specification | |
| 66 | CYLINDER_HEAD_SCREW_ISO_4762_M20X90#54XBDN | 42CrMo4 (Manganese Phosphate coating) | 120 | 0.311kg | | | | PO Specification | |
| 67 | HEXAGON_HEAD_BOLT_BS_4190_M12X120#54XHSE | 42CrMo4 (Manganese Phosphate coating) | 112 | 0.127kg | | | | PO Specification | |
| 68 | HEXAGON_BOLT_ISO_4017_M24X55#527LEC | 42CrMo4 (Manganese Phosphate coating) | 64 | 0.325kg | | | | PO Specification | |
| 69 | HEXAGON_BOLT_ISO_4017_M30X60#58BB5Q | 660 (Copper Anti-Size Coating) | 8 | 0.609kg | | | | PO Specification | |
| 70 | HEXAGON_BOLT_ISO_4017_M30X80#527NMJ | 660 (Copper Anti-Size Coating) | 80 | 0.722kg | | | | PO Specification | |
| 71 | HEXAGON_BOLT_ISO_4017_M36X110#53V2Y8 | 42CrMo4 (Manganese Phosphate coating) | 64 | 1.334kg | | | | PO Specification | |
| 72 | ITEM NOT USED | | | | | | | | |
| 73 | ITEM NOT USED | | | | | | | | |
| 74 | COUNTERSUNK_SCREW_ISO_10642_M3X8#59KEN9 | 660 (Copper Anti-Size Coating) | 12 | 5.719e-004kg | | | | PO Specification | |
| 75 | WASHER_ISO_7089_10#57AQ24 | 660 (Copper Anti-Size Coating) | 48 | 0.004kg | | | | PO Specification | |
| 76 | ITEM NOT USED | | | | | | | | |
| 77 | WASHER_ISO_7089_12#54X9VT | 660 (Copper Anti-Size Coating) | 48 | 0.006kg | | | | PO Specification | |
| 78 | WASHER_ISO_7089_16#57AUT9 | 42CrMo4 (Manganese Phosphate coating) | 27 | 0.011kg | | | | PO Specification | |
| 79 | WASHER_ISO_7089_20#54XC9Q | 42CrMo4 (Manganese Phosphate coating) | 278 | 0.017kg | | | | PO Specification | |
| 80 | WASHER_ISO_7089_24#4XHC7B | 42CrMo4 (Manganese Phosphate coating) | 172 | 0.032kg | | | | PO Specification | |
| 81 | WASHER_ISO_7089_30#53UV5C | 660 (Copper Anti-Size Coating) | 88 | 0.054kg | | | | PO Specification | |
| 82 | ITEM NOT USED | | | | | | | | |
| 83 | WASHER_ISO_7091_36#527593 | 42CrMo4 (Manganese Phosphate coating) | 64 | 0.087kg | | | | PO Specification | |
| 84 | IN_VESSEL_INSERT-M16X33_28.5#57AWHX | 42CrMo4 | 37 | 0.094kg | 058546 | A | 5BHBCA | BP | |
| 85 | IN_VESSEL_INSERT-M20X30_24.75#57AUEX | 42CrMo4 | 158 | 0.125kg | 058547 | A | 5BHBD5 | BP | |
| 86 | IN_VESSEL_INSERT-M20X45_39.75#5BFLPH | 42CrMo4 | 120 | 0.196kg | 058547 | A | 5BHBD5 | BP | |
| 87 | IN_VESSEL_INSERT-M30X45_38.25#58BBPZ | 660 | 10 | 0.309kg | 057574 | B | 4M2B74 | BP | |
| 88 | HELICOIL_219711_30_35_30_M30X30#4LSVQ5 | A2_304L | 2 | 0.02kg | | | | Standard Part | |
| 89 | HUMAN_FLANGE_OUTER_SEAL#WH6UDK | Viton (Fluoro Elastomer) | 1 | 0.41kg | 432-0237639 | --- | 4FY6FT | PO Specification | Flange out of the scope |
| 90 | HUMAN_FLANGE_INNER_SEAL#4J2BGM | Viton (Fluoro Elastomer) | 1 | 0.381kg | 432-0237614 | --- | 3P9KYU | PO Specification | Flange out of the scope |
| 91 | OUTER_SEAL_HND_2905P#PBFVGD | - | 2 | 0kg | 111-108943 | E | TQP6KV | PO Specification | Technetics - Item11 Sheet 02 drawing 034108 version E |
| 92 | SOCKET_CAP_M24#5AMFB9 | 42CrMo4 | 108 | 0.386kg | 058550 | A | 5BHLJU | BP | |
| 93 | DN250_40S_659472_250_BENE_INOX#VSQZ7X | 316L | 1 | 9.564kg | | | | Standard Part | |
| 94 | DN50_40S_659472_50_BENE_INOX#VSR34X | 316L | 2 | 0.238kg | | | | Standard Part | |
| 95 | DN65_40S_659472_65_BENE_INOX#VSQZBV | 316L | 4 | 0.388kg | | | | Standard Part | |
| 96 | DN25_40S_659472_25_BENE_INOX#VSQZDU | 316L | 1 | 0.103kg | | | | Standard Part | |
| 97 | DN200_40S_659472_200_BENE_INOX#VSQZ9W | 316L | 6 | 5.344kg | | | | Standard Part | |
| 98 | DN40_40S_659472_40_BENE_INOX#44JJ8A | 316L | 1 | 0.175kg | | | | Standard Part | |
| 99 | DN150_SEAL#JHUSVY | - | 2 | 0kg | 111-0081957 | E | 23F6Q4 | PO Specification | IDM version V1.0 |
| 100 | DN250_SEAL#Y8LUBU | - | 1 | 0kg | 111-0081957 | E | 23F6Q4 | PO Specification | IDM version V1.0 |
| 101 | SPRING_NOT_FLUSH_FASTENER-M16X80_6_20#58BERR | 42CrMo4 | 10 | 0.197kg | 058658 | B | 5ANJUF | BP | |
| 102 | KM1_LOCK_NUT_SKF#XXNHEB | 316LN | 2 | 0.008kg | | | | PO Specification | |
| 103 | CLAMPING_PIN_ISO_8752_6X30#5AEXHZ | 42CrMo4 (Manganese Phosphate coating) | 315 | 0.004kg | | | | PO Specification | |

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|-----|--------------------------------------|--|----|---------|-------------|-----|------------------------|------------------|--|
| 104 | CLAMPING_PIN_ISO_8752_10X40#5AQC5H | 660 (Copper Anti-Size Coating) | 10 | 0.014kg | | | | PO Specification | |
| 105 | PARALLEL_PIN_ISO_2338_10M6X26#57AUAZ | 42CrMo4 (Manganese Phosphate coating) | 8 | 0.015kg | | | | PO Specification | |
| 106 | MB1_LOCK_WASHER_SKF#XXNHMQ | 316LN | 2 | 0.002kg | | | | PO Specification | |
| 107 | SHACKLE_18_615_25_EM#RUT3AB | 316LN | 4 | 2.056kg | | | | PO Specification | |
| 108 | EYE_BOLT_ISO_3266_M8X12#58BCZE | 316LN | 1 | 0.046kg | | | | PO Specification | |
| 109 | WASHER_SHIMS_FRONT | Inconel_718 | 2 | 12.3kg | 058899 | --- | 5FWCRA | BtP | |
| 110 | WASHER_SHIMS | Inconel_718 | 12 | 9.5kg | 058898 | --- | 5FWC2X | BtP | |
| 111 | CYLINDER_HEAD_SCREW_ISO_4762_M36X140 | 42CrMo4 (Manganese Phosphate coating) | 64 | | | | | PO Specification | |
| 112 | REMOVABLE_LIP | 316LN | 1 | 125.5kg | 058803 | --- | 59KGLQ | BtP | |
| 113 | Viton seal BLV TOP LID | Viton (Fluoro Elastomer) | 1 | | 432-0228020 | | 5XKTDC | PO Specification | |

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Information:
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| Item No. | Part Number | Material | Quantity | Weight | Drawing Numbers | Revision Drawing | Drawing SMDD ID | Part Type | Comments |
|----------|--|-------------|----------|-------------|-----------------|------------------|------------------------|-----------|----------|
| 1 | HNB_BEAM_SOURCE_VESSEL#6TKHCH | 316LN | 1 | 37281.771kg | 46949 | H | Y59UWW | BtP | |
| 2 | FLANGE_EXT#VHXH2B | 316LN | 1 | 4275.93kg | 46726 | F | Y4HGJW | BtP | |
| 3 | FLANGE_HVB_BSV#VSJYJR | 316LN | 1 | 2321.082kg | 50005 | F | Y59TPJ | BtP | |
| 4 | REAR_LID#6TKH8B | 316LN | 1 | 10190.266kg | 046950 | F | Y5A4FZ | BtP | |
| 5 | TILTING_PLATE#N86GCV | 316LN | 1 | 610.171kg | 050042 | E | Y59VNF | BtP | |
| 6 | HUMAN_FLANGE#VEAHQL | 316LN | 1 | 224.006kg | 046735 | F | Y4HGMF | BtP | |
| 7 | T_SLOT_KEY#2QHSYY | Inconel_718 | 160 | 0.977kg | 057101 | C | 4LLF6B | BtP | |
| 8 | SUPPERBOLT_SUPPORT_TOP#2QL29T | 316LN | 2 | 46.367kg | 056977 | C | 4LLEY8 | BtP | |
| 9 | SUPERBOLT_SUPPORT_CORNER_1#2QL5X8 | 316LN | 1 | 6.743kg | 056971 | C | 4LLD3E | BtP | |
| 10 | SUPPERBOLT_SUPPORT_SIDE#2L6BBJ | 316LN | 1 | 50.003kg | 056994 | C | 4LLETR | BtP | |
| 11 | SUPERBOLT_SUPPORT_CORNER_2#2QL5Z7 | 316LN | 1 | 6.238kg | 056989 | C | 4LLD8T | BtP | |
| 12 | SUPERBOLT_SUPPORT_CORNER_3#2QL63V | 316LN | 1 | 6.484kg | 056996 | C | 4LLDBA | BtP | |
| 13 | SUPERBOLT_SUPPORT_CORNER_4#2QL65W | 316LN | 1 | 6.238kg | 057040 | C | 4LLDD9 | BtP | |
| 14 | SUPERBOLT_SUPPORT_CORNER_5#2QL8PK | 316LN | 1 | 8.511kg | 057042 | C | 4LLDF8 | BtP | |
| 15 | SUPERBOLT_SUPPORT_CORNER_6#2QL8RL | 316LN | 1 | 8.776kg | 057045 | C | 4LLDJ6 | BtP | |
| 16 | SUPERBOLT_SUPPORT_CORNER_7#2QL8TH | 316LN | 1 | 8.115kg | 057049 | C | 4LLDMM | BtP | |
| 17 | SUPERBOLT_SUPPORT_CORNER_8#2QL8VJ | 316LN | 1 | 8.158kg | 057078 | C | 4LLDPL | BtP | |
| 18 | SUPPERBOLT_SUPPORT_SIDE_2#2L6BDH | 316LN | 1 | 50.003kg | 057001 | C | 4LLEVS | BtP | |
| 19 | SUPPERBOLT_SUPPORT_COVER_SIDE_1#2L6HKV | 316LN | 2 | 12.991kg | 057093 | C | 4LLEPT | BtP | |
| 20 | SUPPERBOLT_SUPPORT_COVER_SIDE_2#2L6HWW | 316LN | 2 | 12.127kg | 057094 | C | 4LLERU | BtP | |
| 21 | SUPPERBOLT_SUPPORT_COVER_3#2L6HPT | 316LN | 1 | 1.48kg | 056932 | C | 4LLDRK | BtP | |
| 22 | SUPPERBOLT_SUPPORT_COVER_4#2L6HRU | 316LN | 1 | 1.48kg | 056933 | C | 4LLDWY | BtP | |
| 23 | SUPPERBOLT_SUPPORT_COVER_5#2L6HTR | 316LN | 1 | 1.445kg | 056939 | C | 4LLE2M | BtP | |
| 24 | SUPPERBOLT_SUPPORT_COVER_6#2L6HVS | 316LN | 1 | 1.445kg | 056951 | C | 4LLE4N | BtP | |
| 25 | SUPPERBOLT_SUPPORT_COVER_7#2L6HXP | 316LN | 1 | 1.641kg | 056954 | C | 4LLE94 | BtP | |
| 26 | SUPPERBOLT_SUPPORT_COVER_8#2L6HZQ | 316LN | 1 | 1.641kg | 057019 | C | 4LLED2 | BtP | |
| 27 | SUPPERBOLT_SUPPORT_COVER_9#2L6J38 | 316LN | 1 | 1.716kg | 057028 | C | 4LLEFX | BtP | |
| 28 | SUPPERBOLT_SUPPORT_COVER_10#2L6J57 | 316LN | 1 | 1.716kg | 057035 | C | 4LLELE | BtP | |
| 29 | RH_RAIL_HMG35A_60DEG#NEULCQ | 316LN | 6 | 13.944kg | 050132 | D | Y5A36M | BtP | |
| 30 | LIFTING_JACK_RAIL#UEB99F | 316LN | 4 | 8.058kg | 050062 | E | Y58RM6 | BtP | |
| 31 | SHIM_JACK_INTERFACE_1#VSPQU6 | 316LN | 1 | 5.665kg | 050070 | E | Y59FEB | BtP | |
| 32 | SHIM_JACK_INTERFACE_2#VSPS9B | 316LN | 1 | 5.665kg | 050074 | D | 4LLC9K | BtP | |
| 33 | SHIM_JACK_INTERFACE_3#VSPSBG | 316LN | 1 | 5.665kg | 050056 | E | Y5AAEX | BtP | |
| 34 | SHIM_JACK_INTERFACE_4#VSPSDH | 316LN | 1 | 5.665kg | 050082 | E | Y59SVZ | BtP | |
| 35 | SHIM_JACK_INTERFACE_ABUTMENT_1#XL3RRU | 316LN | 4 | 0.371kg | 057006 | C | 4LLCEY | BtP | |
| 36 | SHIM_SOURCE_SUPPORT_PLATE#FQUFZZ | 316LN | 1 | 46.935kg | 050106 | F | Y599LN | BtP | |
| 37 | SHIM_SOURCE_SUPPORT_PLATE#FQUG3A | 316LN | 1 | 48.597kg | 050109 | F | Y59FU4 | BtP | |
| 38 | TOP_CONE_DOWELS_BSV_SOURCE#R4KV4C | 660 | 2 | 1.623kg | 050130 | E | Y59PN5 | BtP | |
| 39 | DOME_FLANGE_SHIELD_2#Y7JZDW | 316LN | 2 | 11.491kg | 057242 | D | 4LLAOB | BtP | |
| 40 | DOME_FLANGE_SHIELD_1#VSPC4H | 316LN | 1 | 8.186kg | 057253 | D | 4LLALD | BtP | |
| 41 | BSV_TOP_SHIELDS_CORNER_1#XV4PQ6 | 316LN | 1 | 30.745kg | 057211 | C | 4LL9HA | BtP | |
| 42 | BSV_TOP_SHIELDS_CORNER_2#XVBFDK | 316LN | 1 | 40.421kg | 057202 | C | 4LL9KK | BtP | |
| 43 | BSV_TOP_SHIELDS_CORNER_3#XVBFFL | 316LN | 1 | 40.421kg | 057196 | D | 4LL9N5 | BtP | |
| 44 | BSV_TOP_SHIELDS_CORNER_4#XVBFBM | 316LN | 1 | 30.745kg | 057206 | C | 4LL9TF | BtP | |
| 45 | BSV_TOP_SHIELDS_SIDE_1#XVBFPY | 316LN | 1 | 2.584kg | 057218 | C | 4LL9VG | BtP | |
| 46 | BSV_TOP_SHIELDS_SIDE_2#XVBEBQ | 316LN | 1 | 3.756kg | 057183 | C | 4LL9ZJ | BtP | |
| 47 | BSV_TOP_SHIELDS_SIDE_3#XVBHB2 | 316LN | 1 | 9.142kg | 057214 | D | 4LLA4M | BtP | |
| 48 | BSV_TOP_SHIELDS_SIDE_4#XVBHEL | 316LN | 1 | 3.756kg | 057182 | D | 4LLA93 | BtP | |
| 49 | SUPPORT_ES#VSPC2G | 316LN | 6 | 1.767kg | 050352 | E | Y5A774 | BtP | |
| 50 | EL_SHIELD_LONG_RIB#PLYPPW | 316LN | 6 | 2.422kg | 050354 | E | Y5AFNS | BtP | |

| | | | | | | | | | |
|-----|---|--|-----|--------------|-------------------|-----|------------------------|------------------|--|
| 51 | EL_SHIELD_SHORT_RIB#PLYPRX | 316LN | 2 | 0.482kg | 050344 | E | Y59WRS | BtP | |
| 52 | EL_SHIELD_FLAT_RIB#PLYPMZ | 316LN | 2 | 1.391kg | 050348 | E | Y59ZX7 | BtP | |
| 53 | BSV_FLANGE_SHIELD_CORNER_1#XPT5VN | 316LN | 1 | 0.897kg | 057262 | D | 4LL8RE | BtP | |
| 54 | BSV_FLANGE_SHIELD_CORNER_2#XPT87L | 316LN | 1 | 0.897kg | 057311 | C | 4LL8T7 | BtP | |
| 55 | BSV_FLANGE_SHIELD_CORNER_3_4#XPT8BN | 316LN | 2 | 0.922kg | 057273 | D | 4LL8V8 | BtP | |
| 56 | BSV_FLANGE_SHIELD_SIDE_1#XPTC25 | 316LN | 1 | 4.973kg | 057308 | D | 4LL8YS | BtP | |
| 57 | BSV_FLANGE_SHIELD_SIDE_2#XPTC44 | 316LN | 1 | 4.934kg | 057302 | D | 4LL92T | BtP | |
| 58 | BSV_FLANGE_SHIELD_SIDE_3_4#XPTD6B | 316LN | 2 | 5.123kg | 057301 | D | 4LL94U | BtP | |
| 59 | SOURCE_SUPPORT_SHIELD_EXTENSION_L#2GPTH5 | 316LN | 1 | 1.465kg | 057102 | D | 4LLCUR | BtP | |
| 60 | SOURCE_SUPPORT_SHIELD_LEFT#QA2C57 | 316LN | 1 | 18.848kg | 050089 | F | Y5A5MS | BtP | |
| 61 | INTERNAL_FEATURE_WALLS#Y8LQ4E | 316LN | 1 | 39.035kg | 057046 | D | 4LLB8B | BtP | |
| 62 | SOURCE_SUPPORT_SHIELD_DX#Q7RBXQ | 316LN | 1 | 18.225kg | 050090 | E | Y5AF55 | BtP | |
| 63 | INTERNAL_FEATURE_WALLS_2#Y8LPD2 | 316LN | 1 | 39.035kg | 057103 | C | 4LLBDR | BtP | |
| 64 | SOURCE_SUPPORT_SHIELD_EXTENSION_DX#2GPTK3 | 316LN | 1 | 1.465kg | 057143 | C | 4LLCSS | BtP | |
| 65 | CUSTOM_INSERT_M48XM36_L50#3TBCHR | 42CrMo4 | 4 | 0.385kg | 057104 | C | 4LLAJE | BtP | |
| 66 | INTERFACE_REAR_LID_TOOL#VHQRBQ | 316LN | 4 | 44.607kg | 046952 | E | Y5A9TW | BtP | |
| 67 | INTERFACE_REAR_LID_TOOL_DWL2#VHQRFN | 316LN | 1 | 14.713kg | 046956 | E | Y59RV6 | BtP | |
| 68 | INTERFACE_REAR_LID_TOOL_DWL#VHQDRD | 316LN | 1 | 16.287kg | 046955 | E | Y59NOC | BtP | |
| 69 | DOWEL#PTWMEH | 42CrMo4 | 6 | 0.428kg | 050003 | E | Y59FCC | BtP | |
| 70 | REAR_LID_FLANGE#PLHSL4 | 316LN | 3 | 25.144kg | 046953 | E | Y598AK | BtP | |
| 71 | PUSHING_BOLT#JNW69S | 42CrMo4 | 9 | 0.064kg | 050053 | F | Y5A4HY | BtP | |
| 72 | BSV_RH_RAIL_HMG35A_SHORT#2L6LHV | 316LN | 2 | 27.913kg | 057097 | C | 4LL9ER | BtP | |
| 73 | BSV_RH_RAIL_HMG35A_LONG#2L6LKY | 316LN | 2 | 28.741kg | 057098 | C | 4LL9AP | BtP | |
| 74 | BSV_RH_RAIL_HMG35A_90DEG#2L6LFW | 316LN | 4 | 5.14kg | 057099 | C | 4LL97D | BtP | |
| 75 | SB8_M36_4_PITCH_L164_5_CUSTOM#3DRRB7 | Inconel 718 | 160 | 2.192kg | 057100 | C | 4LLC3N | BtP | |
| 76 | GUIDING_BRACKET#3KT53L | 316LN | 4 | 2.407kg | 057037 | C | 4LLA2P | BtP | |
| 77 | CUSTOM_BLANK_FLANGE_DN100#VHNM5U | 316LN | 3 | 15.951kg | 057047 | D | 4LLAEG | BtP | |
| 78 | BEAM_SOURCE_VESSEL_SEAL#V4TYN7 | - | 1 | 42.315kg | 111-0229291-F | --- | 3FU7NS | PO Specification | Free issue item procured by IO |
| 79 | FLANGE_EXT_OUTER_SEAL#WH6TK6 | Viton (Fluoro Elastomer) | 1 | 1.919kg | 432-0237607 | --- | 4GSGKV | PO Specification | Flange out of the scope |
| 80 | FLANGE_EXT_INNER_SEAL#4GXZYY | Viton (Fluoro Elastomer) | 1 | 1.892kg | 432-0229445 | --- | 4W7H8V | PO Specification | Flange out of the scope |
| 81 | Viton seal BSV / HVB | Viton (Fluoro Elastomer) | | | 432-0229274 | --- | 624EEG | PO Specification | |
| 82 | HUMAN_FLANGE_OUTER_SEAL#WH6GUDK | Viton (Fluoro Elastomer) | 1 | 0.41kg | 432-0237639 | --- | 4FY6FT | PO Specification | Flange out of the scope |
| 83 | HUMAN_FLANGE_INNER_SEAL#4J2BGM | Viton (Fluoro Elastomer) | 1 | 0.381kg | 432-0237614 | --- | 3P9KYU | PO Specification | Flange out of the scope |
| 84 | DN150_SEAL#JHUSVY | - | 3 | 0kg | 111-0081957 | E | 23F6Q4 | PO Specification | IDM version V1.0 |
| 85 | DOUBLE_SEAL_PUSH_FIT_RETAINER#5BF8TG | 660 | 18 | 3.119e-004kg | 058611 | A | 5BK8X | BtP | |
| 86 | RAIL_SUPPORT#4AW4ZM | 316LN | 2 | 142.946kg | 058626 | A | 5AMJVB | BtP | |
| 87 | REAR_LID_MAINTENANCE_RAIL_1#4XJTVF | 316LN | 2 | 66.411kg | 058661 | B | 5ANMBG | BtP | |
| 88 | INTERMEDIATE_PLATE#4C47KN | 316LN | 4 | 17.801kg | 058645 | B | 5BP6M4 | BtP | |
| 89 | SHIM_LIFTING_SYSTEM#4C3W6W | 316LN | 4 | 4.299kg | 058651 | A | 56X9EA | BtP | |
| 90 | RAIL_SUPPORT_2#4XJV7W | 316LN | 2 | 142.946kg | 058666 | A | 5ANQY2 | BtP | |
| 91 | REAR_LID_MAINTENANCE_RAIL_2#4XJV9V | 316LN | 2 | 66.411kg | 058665 | B | 5ANPYA | BtP | |
| 92 | WHEEL_SUPPORT#4XJQFX | AlZn8MgCu | 2 | 30.246kg | 058653 | B | 56XEA2 | BtP | Temporary item not RCC-MR compliance. Not SIC1 |
| 93 | WHEEL_BLOCKER#4V9RY2 | AlZn8MgCu | 8 | 1.178kg | 058675 | A | 53VCX9 | BtP | Temporary item not RCC-MR compliance. Not SIC1 |
| 94 | FKP-3_NIVELL_CUSTOM#4BUZUG | 316LN | 4 | 34.436kg | 058660 | A | 5ANMAY | PO Specification | reference NIVELL FKP - 3 |
| 95 | SHEARING_PIN#4BUZSF | 42CrMo4 | 4 | 4.071kg | 058662 | A | 5ANMCX | BtP | |
| 96 | REAR_LID_FLANGE_SHIELD#PLYNY3 | 316LN | 2 | 4.741kg | 050001 | E | Y5AGDZ | BtP | |
| 97 | SHEARING_PIN#4XA6K8 | 42CrMo4 | 4 | 0.956kg | 058679 | A | 5EH3LE | BtP | |
| 98 | STEEL_INSERT#4XJQD2 | S295 | 8 | 3.031kg | 058676 | B | 53VE6N | BtP | Temporary item not RCC-MR compliance. Not SIC1 |
| 99 | INTERFACE_PLATE#VUMVLR | Al bronze CuAl10Ni5Fe4 (CW307G) | 4 | 0.186kg | 058678 | C | 53VECF | BtP | Temporary item not RCC-MR compliance. Not SIC1 |
| 100 | RH_LIFT_EYE#526PME | S295 | 4 | 0.251kg | 058677 | B | 53VE76 | BtP | |
| 101 | WHEEL_SUPPORT_02#4XJRD5 | AlZn8MgCu | 2 | 30.246kg | 058680 | B | 53VJ52 | BtP | Temporary item not RCC-MR compliance. Not SIC1 |
| 102 | REAR_LID_PERMANENT_LIP#3DQT9P | 316LN | 1 | 18.869kg | 046950 - SHEET 08 | F | Y5A4FZ | BtP | |
| 103 | BSV_PERMANENT_LIP#VST3FM | 316LN | 1 | 81.854kg | 046949 - SHEET 06 | H | Y59UWW | BtP | |
| 104 | DN65_40S_659472_65_BENE_INOX#VSQZBV | 316L | 2 | 0.388kg | | | | Standard Part | |
| 105 | DN200_40S_659472_200_BENE_INOX#VSQZ9W | 316L | 1 | 5.344kg | | | | Standard Part | |
| 106 | COUNTERSUNK_SCREW_ISO_10642_M6X16#58ESST | 42CrMo4 (Manganese Phosphate coating) | 80 | 0.005kg | | | | PO Specification | |

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|-----|--|--|-----|-------------|-------------------|---|--------|------------------|--|
| 107 | DN25_40S_659472_25_BENE_INOX#VSQZDU | 316L | 1 | 0.103kg | | | | PO Specification | |
| 108 | HEXAGON_HEAD_BOLT_BS_4190_M12X120#54XHSE | 42CrMo4 (Manganese Phosphate coating) | 34 | 0.127kg | | | | PO Specification | |
| 109 | CYLINDER_HEAD_SCREW_ISO_4762_M8X45#527536 | 42CrMo4 (Manganese Phosphate coating) | 330 | 0.025kg | | | | PO Specification | |
| 110 | WASHER_ISO_7089_10#54XAVN | 42CrMo4 (Manganese Phosphate coating) | 60 | 0.004kg | | | | PO Specification | |
| 111 | CYLINDER_HEAD_SCREW_ISO_4762_M10X40#57D9SQ | 42CrMo4 (Manganese Phosphate coating) | 52 | 0.038kg | | | | PO Specification | |
| 112 | WASHER_ISO_7089_16#58AB6D | 660 (Copper Anti-Size Coating) | 2 | 0.011kg | | | | PO Specification | |
| 113 | HEXAGON_HEAD_SCREW_ISO_4018_M16X45#5AETYA | 660 (Copper Anti-Size Coating) | 2 | 0.112kg | | | | PO Specification | |
| 114 | COUNTERSUNK_SCREW_ISO_14581_M6X25#57DB6K | 660 (Copper Anti-Size Coating) | 147 | 0.006kg | | | | PO Specification | |
| 115 | BUTTON_HEAD_SCREW_ISO_7380-1_M6X12#57DBAH | 660 (Copper Anti-Size Coating) | 96 | 0.004kg | | | | PO Specification | |
| 116 | BUTTON_HEAD_SCREW_ISO_7380-1_M6X25#57DD5N | 660 (Copper Anti-Size Coating) | 72 | 0.007kg | | | | PO Specification | |
| 117 | TUBE_CONNECTOR_SS_T6M_S_1M_6ME#L4AYWG | 316L | 9 | 0.004kg | 046949 - SHEET 05 | H | Y59UWW | BtP | |
| 118 | 316L-4-VCR-3-6MTB7#525Q7F | 316L | 17 | 0.014kg | | | | Standard Part | |
| 119 | 316L-4-VCR-4#54ZFAW | 316L | 17 | 0.015kg | | | | Standard Part | |
| 120 | SS-4-VCR-CP#4XANNW | 316L | 17 | 0.037kg | | | | Standard Part | |
| 121 | SS-4-VCR-2-GR#4XANQV | 316L | 17 | 7.66e-004kg | | | | Standard Part | |
| 122 | TUBE_90_SS_T6M_S_1M_6ME#3KKHKE | 316L | 5 | 0.01kg | 046949 - SHEET 06 | H | Y59UWW | BtP | |
| 123 | TUBE_90_SHORT_SS_T6M_S_1M_6ME#5AGSH2 | 316L | 3 | 0.007kg | 046949 - SHEET 05 | H | Y59UWW | BtP | |
| 124 | WASHER_ISO_7092_24#59B92M | 660 (Copper Anti-Size Coating) | 24 | 0.033kg | | | | PO Specification | |
| 125 | CYLINDER_HEAD_SCREW_ISO_4762_M24X45#57DESJ | 660 (Copper Anti-Size Coating) | 24 | 0.325kg | | | | PO Specification | |
| 126 | CLAMPING_PIN_ISO_8752_6X30#5AEXHZ | 42CrMo4 (Manganese Phosphate coating) | 328 | 0.004kg | | | | PO Specification | |
| 127 | CLAMPING_PIN_ISO_8752_10X50#5BRQ6X | 42CrMo4 (Manganese Phosphate coating) | 4 | 0.018kg | | | | PO Specification | |
| 128 | IN_VESSEL_INSERT-M20X30_24.75#57AUEX | 42CrMo4 | 298 | 0.125kg | 058547 | A | 5BHBDS | BtP | |
| 129 | IN_VESSEL_INSERT-M8X12_9#5AES3T | 660 | 4 | 0.008kg | 058682 | A | 53W63A | BtP | |
| 130 | IN_VESSEL_INSERT-M16X33_28.5#57AU25 | 42CrMo4 | 30 | 0.094kg | 058546 | A | 5BHBCA | BtP | |
| 131 | HEXAGON_SOCKET_HEAD_SHOULDER_SCREW_ISO_7379_20 | 42CrMo4 (Manganese Phosphate coating) | 40 | 0.178kg | | | | PO Specification | |
| 132 | NORELEM_07111_21650#4YZ6MX | 316LN | 4 | 0.072kg | | | | Standard Part | |
| 133 | CYLINDER_HEAD_SCREW_ISO_4762_M8X20#4BY4HK | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.015kg | | | | PO Specification | |
| 134 | CYLINDER_HEAD_SCREW_ISO_4762_M8X40#4XH8TG | 42CrMo4 (Manganese Phosphate coating) | 32 | 0.023kg | | | | PO Specification | |
| 135 | WASHER_ISO_7089_24#4XHC7B | 42CrMo4 (Manganese Phosphate coating) | 32 | 0.032kg | | | | PO Specification | |
| 136 | HEXAGON_NUT_ISO_4032_M24#4XHC89 | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.13kg | | | | PO Specification | |
| 137 | HEXAGON_BOLT_ISO_4017_M24X110#4XHD3M | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.52kg | | | | PO Specification | |
| 138 | WASHER_ISO_7089_16#57DAM6 | 42CrMo4 (Manganese Phosphate coating) | 94 | 0.011kg | | | | PO Specification | |
| 139 | CYLINDER_HEAD_SCREW_ISO_4762_M16X50#58B6Q7 | 42CrMo4 (Manganese Phosphate coating) | 64 | 0.124kg | | | | PO Specification | |
| 140 | EYE_BOLT_ISO_3266_M8X12#58BCZE | 316LN | 3 | 0.046kg | | | | Standard Part | |
| 141 | KM1_LOCK_NUT_SKF#XXNHEB | 316LN | 9 | 0.008kg | | | | Standard Part | |
| 142 | MB1_LOCK_WASHER_SKF#XXNHMQ | 316LN | 9 | 0.002kg | | | | Standard Part | |

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|-----|--|--|-----|----------|-------------|-----|------------------------|------------------|------------------|
| 143 | SPRING_NOT_FLUSH_FASTENER-M16X80_6_20#58BERR | 42CrMo4 | 36 | 0.197kg | 058658 | B | 5ANJUE | BtP | |
| 144 | DN200#YQVYRJ | - | 3 | 0kg | 111-0081957 | E | 23F6Q4 | PO Specification | IDM version V1.0 |
| 145 | IN_VESSEL_INSERT-M16X35_30.5#5AFNCD | 42CrMo4 | 36 | 0.1kg | 058546 | A | 5BHBCA | BtP | |
| 146 | CLAMPING_PIN_ISO_8752_6X35#58B68F | 42CrMo4 (Manganese Phosphate coating) | 36 | 0.005kg | | | | PO Specification | |
| 147 | IN_VESSEL_INSERT-M10X18_15.75#58CS48 | 660 | 40 | 0.024kg | 058683 | A | 53W64R | BtP | |
| 148 | CLAMPING_PIN_ISO_8752_6X20#58CTB3 | 660 (Copper Anti-Size Coating) | 40 | 0.003kg | | | | PO Specification | |
| 149 | CYLINDER_HEAD_SCREW_ISO_4762_M10X30#57DV9G | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.032kg | | | | PO Specification | |
| 150 | SHACKLE 18 615 25 EM#RUT3AB | 316LN | 5 | 2.056kg | | | | Standard Part | |
| 151 | CYLINDER_HEAD_SCREW_ISO_4762_M20X65#544N8G | 42CrMo4 (Manganese Phosphate coating) | 122 | 0.25kg | | | | PO Specification | |
| 152 | WASHER_ISO_7089_20#54XC9Q | 42CrMo4 (Manganese Phosphate coating) | 298 | 0.017kg | | | | PO Specification | |
| 153 | CYLINDER_HEAD_SCREW_ISO_4762_M16X70#58DQTJ | 42CrMo4 (Manganese Phosphate coating) | 30 | 0.156kg | | | | PO Specification | |
| 154 | CYLINDER_HEAD_SCREW_ISO_4762_M20X70#54XEHB | 42CrMo4 (Manganese Phosphate coating) | 176 | 0.262kg | | | | PO Specification | |
| 155 | CYLINDER_HEAD_SCREW_ISO_4762_M4X10#57ANTQ | 660 (Copper Anti-Size Coating) | 8 | 0.002kg | | | | PO Specification | |
| 156 | LINE_EXTENSION_NBI_PHTS#2VUUQ8 | 316LN | 2 | 0.442kg | | | | Standard Part | |
| 157 | LINE_EXTENSION_DRAINING#44JJED | 316LN | 1 | 0.128kg | | | | Standard Part | |
| 158 | LINE_EXTENSION_FEEDTHROUGH_BOX#4684AD | 316LN | 1 | 2.176kg | | | | Standard Part | |
| 159 | ALFATEC_MR_250.0610#526PFF | 20CrMnTi | 8 | 26.494kg | | | | Standard Part | |
| 160 | MASCOT_GRIP#YLIQMP | 316LN | 4 | 0.417kg | | | | Standard Part | |
| 161 | CYLINDER_HEAD_SCREW_ISO_4762_M5X12#4XHG6U | 42CrMo4 (Manganese Phosphate coating) | 48 | 0.004kg | | | | PO Specification | |
| 162 | CYLINDER_HEAD_SCREW_ISO_4762_M12X55#4V9XUJ | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.068kg | | | | PO Specification | |
| 163 | CYLINDER_HEAD_SCREW_ISO_4762_M6X25#4XA7Y5 | 42CrMo4 (Manganese Phosphate coating) | 8 | 0.009kg | | | | PO Specification | |
| 164 | SPRING_FLUSH_HEX_FASTENER-M24X150_5_30_25#4XB9K4 | 42CrMo4 | 24 | 0.743kg | 058681 | B | 53W4YL | BtP | |
| 165 | CLAMPING_PIN_ISO_8752_6X12#546XHN | 660 (Copper Anti-Size Coating) | 4 | 0.002kg | | | | PO Specification | |
| 166 | WASHER_SHIM_01#2LG6AY | Inconel 718 | 2 | 18.635kg | 058902 | --- | 5FWFDT | BtP | |
| 167 | WASHER_SHIM_02#2LG6CX | Inconel 718 | 2 | 19.4kg | 058903 | --- | 5FWGSU | BtP | |
| 168 | CYLINDER_HEAD_SCREW_ISO_4762_M36X140 | 42CrMo4 (Manganese Phosphate coating) | 32 | | | | | PO Specification | |
| 169 | REMOVABLE_LIP#3DQTBW | 316LN | 1 | 60.285kg | 058804 | --- | 57AXQK | BtP | |
| 170 | Viton seal Rear Lid | Viton (Fluoro Elastomer) | | | 432-0229354 | --- | 65PRCK | PO Specification | |

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Assy

Information:
on Sheet 10, Scope of
procurement is for information

| Item No. | Part Number | Material after | Quantity | Weight | Drawing Number | Revision Drawing | Drawing SMDD ID | Part Type | Comments |
|----------|--|----------------|----------|----------|----------------|------------------|------------------------|-----------|----------|
| 1 | SVS_SUPPORTS_14_PIPES_BOTTOM#5442VR | 316LN | 3 | 1.428kg | 058744 | --- | 576PER | BtP | |
| 2 | SVS_SUPPORTS_14_PIPES_TOP#5442XQ | 316LN | 3 | 0.697kg | 58745 | --- | 576PML | BtP | |
| 3 | SVS_SUPPORTS_4_PIPES_BOTTOM#5443AA | 316LN | 3 | 0.534kg | 058748 | --- | 576QU8 | BtP | |
| 4 | SVS_SUPPORTS_4_PIPES_TOP#5443C9 | 316LN | 3 | 0.206kg | 058749 | --- | 576R7V | BtP | |
| 5 | SVS_SUPPORTS_5_PIPES_BOTTOM#5447NK | 316LN | 6 | 0.625kg | 058750 | --- | 576RA7 | BtP | |
| 6 | SVS_SUPPORTS_5_PIPES_TOP#5447QL | 316LN | 6 | 0.258kg | 058751 | --- | 576S5M | BtP | |
| 7 | SVS_SUPPORTS_6_PIPES_BOTTOM#5448RC | 316LN | 6 | 0.712kg | 058752 | --- | 576SA2 | BtP | |
| 8 | SVS_SUPPORTS_6_PIPES_TOP#5448T9 | 316LN | 6 | 0.301kg | 058753 | --- | 576SDH | BtP | |
| 9 | SVS_SUPPORTS_7_PIPES_BOTTOM#5449ZG | 316LN | 9 | 0.799kg | 058758 | --- | 577LGM | BtP | |
| 10 | SVS_SUPPORTS_7_PIPES_TOP#544A34 | 316LN | 9 | 0.344kg | 058759 | --- | 577LVI | BtP | |
| 11 | SVS_SUPPORTS_11_PIPES_BOTTOM#53UMH8 | 316LN | 9 | 1.16kg | 058742 | --- | 576N65 | BtP | |
| 12 | SVS_SUPPORTS_11_PIPES_TOP#53UMMN | 316LN | 9 | 0.551kg | 058743 | --- | 576PAP | BtP | |
| 13 | SVS_SUPPORTS_1_PIPE_BOTTOM#527PVE | 316LN | 25 | 0.264kg | 058735 | --- | 58FSSP | BtP | |
| 14 | SVS_SUPPORTS_1_PIPE_TOP#527Q4A | 316LN | 25 | 0.051kg | 058736 | --- | 58FSZA | BtP | |
| 15 | SVS_SUPPORTS_2_PIPES_BOTTOM#54XEY3 | 316LN | 1 | 0.504kg | 058746 | --- | 576PY2 | BtP | |
| 16 | SVS_SUPPORTS_2_PIPES_TOP#54XF22 | 316LN | 1 | 0.183kg | 058747 | --- | 576QDY | BtP | |
| 17 | TOP_SVS_SUPPORT#53UNRT | 316LN | 4 | 0.345kg | 058760 | --- | 577LXW | BtP | |
| 18 | BOTTOM_SVS_SUPPORT#53UNVR | 316LN | 4 | 1.306kg | 058762 | --- | 577NQS | BtP | |
| 19 | PIPE_CLAMP#53UNZP | 316LN | 4 | 0.617kg | 058763 | --- | 577NRA | BtP | |
| 20 | INTERMEDIATE_SVS_SUPPORT#53V4GY | 316LN | 1 | 0.711kg | 058761 | --- | 577NNR | BtP | |
| 21 | SVS_INTERFACE_PLATE#524B3Q | 316LN | 1 | 7.078kg | 058819 | --- | 5AHN32 | BtP | |
| 22 | FIXATION_PLATE_P2#524FKX | 316LN | 1 | 14.726kg | 058818 | --- | 5AHMXK | BtP | |
| 23 | SVS_PLATE_SHAFT_D20#524BBU | 316LN | 6 | 0.69kg | 058820 | --- | 5AHN4H | BtP | |
| 24 | SVS_SUPPORTS_1_PIPE_D12_BOTTOM#59DRKC | 316LN | 2 | 0.288kg | 058766 | --- | 59GPTC | BtP | |
| 25 | SVS_SUPPORTS_1_PIPE_D12_TOP#59DRSQ | 316LN | 2 | 0.063kg | 058765 | --- | 59GPBL | BtP | |
| 26 | SVS_SUPPORTS_3_PIPES_BOTTOM#5584WA | 316LN | 3 | 0.444kg | 058770 | --- | 58ABHS | BtP | |
| 27 | SVS_SUPPORTS_3_PIPES_TOP#5585UF | 316LN | 3 | 0.155kg | 058771 | --- | 58ABJK | BtP | |
| 28 | PLATE_SUPPORT_14_LINES#58GMSD | 316LN | 1 | 3.952kg | 058779 | --- | 58AC86 | BtP | |
| 29 | PLATE_SUPPORT_11_LINES#59FA5J | 316LN | 1 | 3.952kg | 058778 | --- | 58ABXZ | BtP | |
| 30 | SVS_SUPPORTS_8_PIPES_BOTTOM#59FAXB | 316LN | 1 | 0.889kg | 058774 | --- | 58ABNM | BtP | |
| 31 | SVS_SUPPORTS_8_PIPES_TOP#59FB39 | 316LN | 1 | 0.396kg | 058775 | --- | 58ABUG | BtP | |
| 32 | SVS_SUPPORTS_14_PIPES_BOTTOM_3#59FBHC | 316LN | 1 | 1.056kg | 058780 | --- | 5797V8 | BtP | |
| 33 | SVS_SUPPORTS_14_PIPES_TOP_3#59FBKH | 316LN | 1 | 0.479kg | 058781 | --- | 57989W | BtP | |
| 34 | SVS_SUPPORTS_16_PIPES_BOTTOM#59FFFC | 316LN | 2 | 1.175kg | 058782 | --- | 5798FR | BtP | |
| 35 | SVS_SUPPORTS_16_PIPES_TOP#59FFU5 | 316LN | 2 | 0.547kg | 058783 | --- | 5798GA | BtP | |
| 36 | SVS_SUPPORTS_6_PIPES_BOTTOM_3#576LNE | 316LN | 1 | 0.584kg | 058772 | --- | 58ABK3 | BtP | |
| 37 | SVS_SUPPORTS_6_PIPES_TOP_3#576LQD | 316LN | 1 | 0.224kg | 058773 | --- | 58ABLL | BtP | |
| 38 | SVS_SPECIAL_SUPPORTS_7_PIPES_BOTTOM#576NDG | 316LN | 1 | 0.677kg | 058758 | --- | 577LGM | BtP | |
| 39 | SVS_SPECIAL_SUPPORTS_7_PIPES_TOP#576P3B | 316LN | 1 | 0.256kg | 058759 | --- | 577LVT | BtP | |
| 40 | SVS_SPECIAL_SUPPORTS_9_PIPES_BOTTOM#576Q2K | 316LN | 1 | 0.98kg | 058776 | --- | 58ABVY | BtP | |
| 41 | SVS_SPECIAL_SUPPORTS_9_PIPES_TOP#576Q4L | 316LN | 1 | 0.324kg | 058777 | --- | 58ABWH | BtP | |

| | | | | | | | | | |
|----|---|--|-----|--------------|--------|-----|------------------------|------------------|--|
| 42 | SVS_SPECIAL_SUPPORTS_16_PIPES_BOTTOM#576RE9 | 316LN | 2 | 1.395kg | 058782 | --- | 5798FR | BtP | |
| 43 | SVS_SPECIAL_SUPPORTS_16_PIPES_TOP#576RGA | 316LN | 2 | 0.553kg | 058783 | --- | 5798GA | BtP | |
| 44 | SVS_SUPPORTS_2_PIPES_BOTTOM#576SIW | 316LN | 1 | 0.354kg | 058768 | --- | 58A9BA | BtP | |
| 45 | SVS_SUPPORTS_2_PIPES_TOP#576SLV | 316LN | 1 | 0.103kg | 058769 | --- | 58AARW | BtP | |
| 46 | FTB_SVS_CLAMP_1#554LYV | 316LN | 6 | 3.14kg | 058814 | --- | 5AHLNP | BtP | |
| 47 | FTB_SVS_CLAMP_2#554M2Q | 316LN | 6 | 3.285kg | 058815 | --- | 5AHLXB | BtP | |
| 48 | FTB_SVS_CLAMP_FIXATION#554Q2X | 316LN | 12 | 0.363kg | 058816 | --- | 5AHM7Z | BtP | |
| 49 | SVS_SUPPORTS_9_PIPES_BOTTOM#55833C | 316LN | 1 | 0.98kg | 058776 | --- | 58ABVY | BtP | |
| 50 | SVS_SUPPORTS_9_PIPES_TOP#5583B8 | 316LN | 1 | 0.447kg | 058777 | --- | 58ABWH | BtP | |
| 51 | SVS_CS_OVEN_SUPPORT_PLATE#57E5CC | 316LN | 1 | 3.588kg | 058817 | --- | 5AHMAV | BtP | |
| 52 | 316L-4-VCR-4#54ZFAW | 316L | 86 | 0.015kg | | --- | | Standard Part | |
| 53 | 316L-4-VCR-3-6MTB7#525Q7F | 316L | 86 | 0.014kg | | --- | | Standard Part | |
| 54 | 316L_4_VCR_1#54ZFEU | 316L | 77 | 0.029kg | | --- | | Standard Part | |
| 55 | 316L_4_VCR_3S_6MTB7#54ZFCV | 316L | 77 | 0.008kg | | --- | | Standard Part | |
| 56 | SS-4-VCR-2-GR#4XANQV | 316L | 159 | 7.66e-004kg | | --- | | Standard Part | |
| 57 | SS-FX4RF4RF4-68CM#522H82 | 316L | 1 | 1.095kg | | --- | | Standard Part | |
| 58 | SS-FX4RF4RF4-68CM#522L7C | 316L | 2 | 1.372kg | | --- | | Standard Part | |
| 59 | SS-FX4RF4RF4-96CM#545FCC | 316L | 2 | 1.556kg | | --- | | Standard Part | |
| 60 | 316L-4-VCR-61#524AMP | 316L | 44 | 0.077kg | | --- | | Standard Part | |
| 61 | 316L_8_VCR_61#5589XZ | 316L | 1 | 0.179kg | | --- | | Standard Part | |
| 62 | SS-FX4RF4RF4-87CM#59G7CX | 316L | 25 | 1.413kg | | --- | | Standard Part | |
| 63 | SS-FX4RF4RF4-15CM#59GDS9 | 316L | 8 | 0.233kg | | --- | | Standard Part | |
| 64 | SS-FX4RF4RF4-88CM#59GEN4 | 316L | 1 | 1.421kg | | --- | | Standard Part | |
| 65 | SS-FX4RF4RF4-80CM#59GF45 | 316L | 1 | 1.293kg | | --- | | Standard Part | |
| 66 | SS-FX4RF4RF4-90CM#59GF64 | 316L | 1 | 1.463kg | | --- | | Standard Part | |
| 67 | SS-8-VCR-2-GR#57ERX2 | 316L | 3 | 0.002kg | | --- | | Standard Part | |
| 68 | SS-FX8RF8RF8-71CM#59GFZ7 | 316L | 1 | 2.017kg | | --- | | Standard Part | |
| 69 | 316L-4-VCR-61#522VSQ | 316L | 3 | 0.077kg | | --- | | Standard Part | |
| 70 | 316L_8_VCR_3S_12MTB7#57ERQM | 316L | 1 | 0.018kg | | --- | | Standard Part | |
| 71 | 316L_8_VCR_1#57ERSG | 316L | 1 | 0.057kg | | --- | | Standard Part | |
| 72 | 316L_8_VCR_3_12MTB7#5589SF | 316L | 1 | 0.032kg | | --- | | Standard Part | |
| 73 | 316L_8_VCR_4#5589UG | 316L | 1 | 0.036kg | | --- | | Standard Part | |
| 74 | CYLINDER_HEAD_SCREW_ISO_4762_M6X20#53VPNG | 42CrMo4 (Manganese Phosphate coating) | 274 | 0.008kg | | --- | | PO Specification | |
| 75 | WASHER_ISO_7089_6#55332G | 42CrMo4 (Manganese Phosphate coating) | 296 | 9.882e-004kg | | --- | | PO Specification | |
| 76 | HEXAGON_NUT_ISO_4032_M6#53W36X | 42CrMo4 (Manganese Phosphate coating) | 116 | 0.003kg | | --- | | PO Specification | |
| 77 | CYLINDER_HEAD_SCREW_ISO_4762_M6X55#53W3WT | 42CrMo4 (Manganese Phosphate coating) | 92 | 0.015kg | | --- | | PO Specification | |
| 78 | CYLINDER_HEAD_SCREW_ISO_4762_M6X30#529ZZ6 | 42CrMo4 (Manganese Phosphate coating) | 72 | 0.01kg | | --- | | PO Specification | |
| 79 | CYLINDER_HEAD_SCREW_ISO_4762_M6X50#53XY47 | 42CrMo4 (Manganese Phosphate coating) | 2 | 0.014kg | | --- | | PO Specification | |
| 80 | CYLINDER_HEAD_SCREW_ISO_4762_M6X90#528Q6K | 42CrMo4 (Manganese Phosphate coating) | 4 | 0.023kg | | --- | | PO Specification | |
| 81 | CYLINDER_HEAD_SCREW_ISO_4762_M10X60#57EU56 | 42CrMo4 (Manganese Phosphate coating) | 4 | 0.05kg | | --- | | PO Specification | |
| 82 | WASHER_ISO_7089_10#54XAVN | 42CrMo4 (Manganese Phosphate coating) | 20 | 0.004kg | | --- | | PO Specification | |
| 83 | HEXAGON_NUT_ISO_4032_M10#57EUAH | 42CrMo4 (Manganese Phosphate coating) | 16 | 0.011kg | | --- | | PO Specification | |
| 84 | CYLINDER_HEAD_SCREW_ISO_4762_M6X40#59F6PA | 42CrMo4 (Manganese Phosphate coating) | 20 | 0.012kg | | --- | | PO Specification | |
| 85 | CYLINDER_HEAD_SCREW_ISO_4762_M10X70#554T49 | 42CrMo4 (Manganese Phosphate coating) | 12 | 0.056kg | | --- | | PO Specification | |

Bill_of_material_Feed through box

| Item No. | Part Number | Revision | Material | Quantity | Weight | Drawing Number | Drawing revision |
|----------|--|----------|----------|----------|--------------|----------------|------------------|
| 1 | ENCLOSURE_BODY#6VPZV9 | --H | 316LN | 1 | 729.658kg | 058500 | --A |
| 2 | DN300_FLANGE#PRNQK7 | --D | 316LN | 8 | 28.633kg | 058500 | --A |
| 3 | HNB1_FEEDTHROUGH_BOX_PIPE#M3B8UA | --F | 316LN | 1 | 153.405kg | 058500 | --A |
| 4 | CUSTOM_BLANK_FLANGE_DN300#4SESFR | --A | 316LN | 8 | 44.484kg | 057852 | --B |
| 5 | DN300_SEAL#YQVZKV | --A | - | 8 | 0kg | 111-0081957 | |
| 6 | DOUBLE_SEAL_PUSH_FIT_RETAINER#5BF8TG | --- | 660 | 24 | 3.119e-004kg | 058611 | --A |
| 7 | PROFIL_T#Q2S4QG | --B | 316LN | 4 | 2.987kg | | |
| 8 | TUBE_CONNECTOR_SS_T6M_S_1M_6ME#L4AYWG | --C | 316L | 8 | 0.003kg | 058500 | --A |
| 9 | 316L-4-VCR-3-6MTB7#525Q7F | --- | 316L | 8 | 0.014kg | | |
| 10 | 316L-4-VCR-4#54ZFAW | --- | 316L | 8 | 0.015kg | | |
| 11 | SS-4-VCR-CP#4XANNW | --- | 316L | 8 | 0.037kg | | |
| 12 | SS-4-VCR-2-GR#4XANQV | --- | 316L | 8 | 7.66e-004kg | | |
| 13 | CYLINDER_HEAD_SCREW_ISO_4762_M16X70#58DQTJ | --- | 42CrMo4 | 144 | 0.156kg | | |
| 14 | WASHER_ISO_7089_16#57AUT9 | --- | 42CrMo4 | 144 | 0.011kg | | |
| 15 | IN_VESSEL_INSERT-M16X35_30.5#5BNC99 | --- | 42CrMo4 | 144 | 0.1kg | 058407 | --A |
| 16 | CLAMPING_PIN_ISO_8752_6X35#58B68F | --- | 42CrMo4 | 144 | 0.005kg | | |
| 17 | EYE_BOLT_ISO_3266_M8X12#58BCZE | --- | 316LN | 4 | 0.046kg | | |

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DNB Vessel Main Assembly 01-01-00

| Item No | Part Number | Material after | Quantity | Weight | Drawing Number | Comments | Revision Drawing | Drawing SMDD ID | Part Type |
|---------|---|-------------------------|----------|--------------|-----------------------|---|------------------|-----------------|-----------|
| 1 | DNB_BEAM_LINE_VESSEL | 304L | 1 | 53140.622kg | 01-01-01 | | | | |
| 2 | TOP_LID | 304L | 1 | 27659.066kg | 01-01-02 | | | | |
| 3 | BASE_PLATE | 304L | 6 | 18.764kg | 01-01-03 | | | | |
| 4 | GUIDING_PAD | 304L | 6 | 3.55kg | 01-01-04 | | | | |
| 5 | INTERFACE_TOP_LID_TOOL | 304L | 4 | 42.75 | 01-01-05 | | | | |
| 6 | SB_NUT_SUPPORT_1 | 304L | 20 | 8.908kg | 01-01-06 | | | | |
| 7 | SB_NUT_SUPPORT_2 | 304L | 4 | 6.577kg | 01-01-07 | | | | |
| 8 | SB_NUT_SUPPORT_3 | 304L | 2 | 4.253kg | 01-01-08 | | | | |
| 9 | SB_NUT_SUPPORT_4 | 304L | 4 | 4.676kg | 01-01-09 | | | | |
| 10 | SB_NUT_SUPPORT_5 | 304L | 4 | 4.676kg | 01-01-10 | | | | |
| 11 | BLV_T_SLOT_KEY | Inconel_718 | 224 | 0.968kg | HNB DRW NO.056923 | | | | |
| 12 | VESSAL_DOWEL_PIN | 304L | 2 | 2.651kg | 01-01-11 | | | | |
| 13 | CONCAVE | Inconel_718 | 448 | 0.248kg | 01-01-12 | | | | |
| 14 | DNB_BLV_RH_RAIL | 304L | 1 | 205.867kg | 01-01-13 | | | | |
| 15 | DNB_BOTTOM_SUP_SHIM | 304L | 2 | 11.908kg | 01-01-14 | | | | |
| 16 | DNB_BOTTOM_SUP_SHIM_2 | 304L | 12 | 9.419kg | 01-01-15 | | | | |
| 17 | REMOVABLE_LIP | 304L | 1 | 124.434kg | 01-01-16 | | | | |
| 18 | LIFTING_LUG | 304L | 4 | 62.275kg | 01-01-17 | | | | |
| 19 | DOWEL_CRYOFLANGE | 304L | 4 | 0.699kg | 046909 | | | | |
| 20 | BEAM_LINE_VESSEL_SEAL | --- | 1 | | 111-0227449 | Free issue item procured by IO | | | |
| 21 | TUBE_CONNECTOR_SS_T6M_S_1M_6ME_21L | 304L | 18 | 0.003kg | 01-01-01 | | | | |
| 22 | 316L_4_VCR_3_6MTB7 | 304L | 18 | 0.014kg | | | | | |
| 23 | 316L_4_VCR_4 | 304L | 18 | 0.015kg | | | | | |
| 24 | SS_4_VCR_CP | 304L | 18 | 0.037kg | | | | | |
| 25 | SS_4_VCR_2_GR | 304L | 18 | 7.66e-004kg | | | | | |
| 26 | DNB_HVB_COVER_FLANGE | 304L | 1 | 1026.393kg | 01-01-18 | | | | |
| 27 | FLANGE_FS_BLV | 304L | 1 | 1638.739kg | HNB DRW NO.046724 | | | | |
| 28 | FLANGE_FS_BLV_SEAL | Viton (Fluro Elastomer) | 1 | 2.881kg | 111-0218446 | | | | |
| 29 | HUMAN_FLANGE | 304L | 1 | 223.715kg | HNB DRW NO.046735 | | | | |
| 30 | FS_HUMAN_FLANGE_OUTER_SEAL | Viton (Fluro Elastomer) | 1 | 0.41kg | 432-0237639 | Flange out of the scope | | | |
| 31 | FS_HUMAN_FLANGE_INNER_SEAL | Viton (Fluro Elastomer) | 1 | 0.381kg | 432-0237614 | Flange out of the scope | | | |
| 32 | CUSTOM_BLANK_FLANGE_DN150 | 304L | 1 | 16.635kg | HNB DRW NO.046931 | | | | |
| 33 | DN150_FLANGE_SEAL | --- | 5 | --- | 111-0081957 | IDM version V1.0 | | | |
| 34 | DOUBLE_SEAL_PUSH_FIT_RETAINER | 660 | 18 | 3.119e-004kg | HNB DRW NO.058611 | | | | |
| 35 | CUSTOM_BLANK_FLANGE_DN250 | 304L | 1 | 42.513kg | HNB DRW NO.058590 | | | | |
| 36 | DN250_FLANGE_SEAL | --- | 1 | --- | 111-0081957 | IDM version V1.0 | | | |
| 37 | VACUUM_FLANGE_CRYOPUMP | 304L | 2 | 119.136kg | HNB DRW NO.046911 | | | | |
| 38 | OUTER_SEAL_HND_290SP | --- | 2 | --- | 111-108943 | Technetics - Item11 Sheet 02 drawing 034108 version E | | | |
| 39 | CUSTOM_BLANK_FLANGE_DN100#VHNM5U | 304L | 3 | 16.039kg | HNB BSV DRW NO.057047 | | | | |
| 40 | CUSTOM_BLANK_FLANGE_DN100#5AMFDA | 304L | 1 | 15.848kg | HNB DRW NO.058608 | | | | |
| 41 | CUSTOM_S88_M36_4_PITCH_L152_5 | Inconel_718 | 224 | 2.186kg | HNB DRW NO.057038 | NORLOCK - S88 - M36_4_Pitch L152 | | | |
| 42 | HVB_COVER_FLANGE_OUTER_SEAL(C/S-ø10mm & L-6198mm) | Viton (Fluro Elastomer) | 1 | 0.9kg | --- | | | | |
| 43 | HVB_COVER_FLANGE_INNER_SEAL(C/S-ø10mm & L-6013mm) | Viton (Fluro Elastomer) | 1 | 0.874kg | --- | | | | |
| 44 | IN_VESSEL_INSERT-M20X30_24.75 | 42CrMo4 | 252 | 0.125kg | HNB BSV DRW NO.058547 | | | | |
| 45 | CLAMPING_PIN_ISO_8752_6X30 | 42CrMo4 | 316 | 0.005kg | | | | | |
| 46 | STANDARD_INSERT_M16x33_28.5 | 42CrMo4 | 62 | 0.097kg | HNB DRW NO.058546 | | | | |
| 47 | DN25_40S_659472_25_BENE_INOX | 304L | 3 | 0.105kg | | | | | |
| 48 | DN50_40S_659472_50_BENE_INOX | 304L | 2 | 0.255kg | | | | | |
| 49 | DN65_40S_659472_65_BENE_INOX | 304L | 5 | 0.388kg | | | | | |
| 50 | DN80_40S_659472_80_BENE_INOX | 304L | 4 | 0.736kg | | | | | |
| 51 | DN100_40S_659472_40_BENE_INOX | 304L | 2 | 1.298kg | | | | | |
| 52 | D100_BENE_INOX | 304L | 1 | 0.452kg | 01-01-19 | | | | |
| 53 | DN250_40S_659472_250_BENE_INOX | 304L | 1 | 9.56kg | | | | | |
| 54 | SHACKLE_18_615_25_EM | 304L | 2 | 2.039kg | | | | | |
| 55 | KM1_LOCK_NUT_SKF | 304L | 2 | 0.008kg | | | | | |
| 56 | MB1_LOCK_WASHER_SKF | 304L | 2 | 0.002kg | | | | | |
| 57 | EYE_BOLT_ISO_3266_M8X12 | 304L | 1 | 0.046kg | | | | | |
| 58 | SPRING_NOT_FLUSH_FASTENER-M16X80_6_20 | 42CrMo4 | 10 | 0.197kg | HNB DRW NO.058658 | | | | |
| 59 | PUSHING_BOLT | Inconel_718 | 2 | 0.064kg | HNB DRW NO.050053 | | | | |
| 60 | ISO_4017_HEXBOLT_M24x55 | 42CrMo4 | 64 | 0.315kg | | | | | |
| 61 | HEXAGON_BOLT_ISO_4017_M36X110 | 42CrMo4 | 64 | 1.292kg | | | | | |
| 62 | M20X100_BOLT_BIHEXAGON | 42CrMo4 | 96 | 0.605kg | 01-01-20 | | | | |
| 63 | ISO_4017_M42x140_HEXA_HEAD | 42CrMo4 | 64 | 2.182kg | | | | | |
| 64 | ISO_4762_M20x70_HEXA_HEAD_CAPSCREW | 42CrMo4 | 36 | 0.25kg | | | | | |
| 65 | ISO_4017_M12x120_HEXA_HEAD_SCREW | 42CrMo4 | 112 | 0.117kg | | | | | |
| 66 | ISO_4762_M20x90_HEXA_HEAD_CAPSCREW | 42CrMo4 | 120 | 0.3kg | | | | | |

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|----|---|--------------------------|-----|--------------|-------------|--|--|--|--|
| 67 | ISO_4762_M4x10_HEXa_SCKT_HEAD_CAPSCREW | 42CrMo4 | 4 | 0.002kg | | | | | |
| 68 | ISO_4762_M16x70_HEXa SOCK_CAPSCREW | 42CrMo4 | 40 | 0.15kg | | | | | |
| 69 | ISO_4762_M16x80_HEXa SOCK_CAPSCREW | 42CrMo4 | 16 | 0.176kg | | | | | |
| 70 | ISO_4762_M24x80_HEXa SOCK_CAPSCREW | 42CrMo4 | 108 | 0.456kg | | | | | |
| 71 | ISO_4762_M8x45_HEXa SOCK_CAPSCREW | 42CrMo4 | 308 | 0.025kg | | | | | |
| 72 | ISO_10642_M3x8_HEXa SOCK_COUNTERSUNK | 42CrMo4 | 12 | 5.719e-004kg | | | | | |
| 73 | ISO_7089_WASHER_M36 | 42CrMo4 | 64 | 0.09kg | | | | | |
| 74 | ISO_7089_16x30_WASHER_PLAIN_NORMAL | 42CrMo4 | 56 | 0.011kg | | | | | |
| 75 | ISO_7089_20x37_WASHER_PLAIN_NORMAL | 42CrMo4 | 156 | 0.017kg | | | | | |
| 76 | ISO_7089_24x44_WASHER_PLAIN_NORMAL | 42CrMo4 | 172 | 0.031kg | | | | | |
| 77 | ISO_7089_WASHER_42x78_NORMAL_SERIES | 42CrMo4 | 64 | 0.193kg | | | | | |
| 78 | ISO_7082_10x20_WASHER_PLAIN_NORMAL | 660 | 48 | 0.004kg | | | | | |
| 79 | ISO_7082_12x24_WASHER_PLAIN_NORMAL | 660 | 48 | 0.006kg | | | | | |
| 80 | ISO_4762_M10X30_HEXa_SCKT_HEAD_CAPSCREW | 660 | 48 | 0.032kg | | | | | |
| 81 | ISO_4762_M12x45_HEXa_SCKT_HEAD_CAPSCREW | 660 | 48 | 0.061kg | | | | | |
| 82 | Viton seal BLV TOP LID | Viton (Fluoro Elastomer) | 1 | | 432-0228020 | | | | |

| DRW 01-03-00 | | | | | | --- | | Assy | |
|--------------|---|----------------|----------|--------------|----------------|------------------|-----------------|-----------|----------|
| Item No | Part Number | Material after | Quantity | Weight | Drawing Number | Revision Drawing | Drawing SMDD ID | Part Type | Comments |
| 1 | SVS SUPPORTS_1_PIPE_BOTTOM_01 | 304L | 21 | 0.268kg | 01-03-01 | --- | --- | --- | --- |
| 2 | SVS SUPPORTS_1_PIPE_TOP_01 | 304L | 25 | 0.053kg | 01-03-02 | --- | --- | --- | --- |
| 3 | SVS SUPPORTS_2_PIPES_BOTTOM_01 | 304L | 1 | 0.3kg | 01-03-03 | --- | --- | --- | --- |
| 4 | SVS SUPPORTS_2_PIPES_TOP_01 | 304L | 1 | 0.106kg | 01-03-04 | --- | --- | --- | --- |
| 5 | SVS SUPPORTS_2_PIPES_BOTTOM_02 | 304L | 8 | 0.264kg | 01-03-05 | --- | --- | --- | --- |
| 6 | SVS SUPPORTS_2_PIPES_TOP_02 | 304L | 8 | 0.09kg | 01-03-06 | --- | --- | --- | --- |
| 7 | SVS SUPPORTS_2_PIPES_BOTTOM_03 | 304L | 1 | 0.264kg | 01-03-07 | --- | --- | --- | --- |
| 8 | SVS SUPPORTS_2_PIPES_TOP_03 | 304L | 1 | 0.09kg | 01-03-08 | --- | --- | --- | --- |
| 9 | SVS SUPPORTS_3_PIPES_BOTTOM_01 | 304L | 3 | 0.308kg | 01-03-09 | --- | --- | --- | --- |
| 10 | SVS SUPPORTS_3_PIPES_TOP_01 | 304L | 3 | 0.105kg | 01-03-10 | --- | --- | --- | --- |
| 11 | SVS SUPPORTS_3_PIPES_BOTTOM_02 | 304L | 4 | 0.326kg | 01-03-11 | --- | --- | --- | --- |
| 12 | SVS SUPPORTS_3_PIPES_TOP_02 | 304L | 4 | 0.112kg | 01-03-12 | --- | --- | --- | --- |
| 13 | SVS SUPPORTS_4_PIPES_BOTTOM_01 | 304L | 3 | 0.389kg | 01-03-13 | --- | --- | --- | --- |
| 14 | SVS SUPPORTS_4_PIPES_TOP_01 | 304L | 3 | 0.134kg | 01-03-14 | --- | --- | --- | --- |
| 15 | SVS SUPPORTS_4_PIPES_BOTTOM_02 | 304L | 1 | 0.519kg | 01-03-15 | --- | --- | --- | --- |
| 16 | SVS SUPPORTS_4_PIPES_TOP_02 | 304L | 1 | 0.189kg | 01-03-16 | --- | --- | --- | --- |
| 17 | SVS SUPPORTS_5_PIPES_BOTTOM_01 | 304L | 8 | 0.488kg | 01-03-17 | --- | --- | --- | --- |
| 18 | SVS SUPPORTS_5_PIPES_TOP_01 | 304L | 8 | 0.172kg | 01-03-18 | --- | --- | --- | --- |
| 19 | SVS SUPPORTS_5_PIPES_BOTTOM_02 | 304L | 1 | 0.634kg | 01-03-19 | --- | --- | --- | --- |
| 20 | SVS SUPPORTS_5_PIPES_TOP_02 | 304L | 1 | 0.233kg | 01-03-20 | --- | --- | --- | --- |
| 21 | SVS SUPPORTS_6_PIPES_BOTTOM_01 | 304L | 6 | 0.533kg | 01-03-21 | --- | --- | --- | --- |
| 22 | SVS SUPPORTS_6_PIPES_TOP_01 | 304L | 6 | 0.186kg | 01-03-22 | --- | --- | --- | --- |
| 23 | SVS SUPPORTS_8_PIPES_BOTTOM_01 | 304L | 5 | 1.064kg | 01-03-23 | --- | --- | --- | --- |
| 24 | SVS SUPPORTS_8_PIPES_TOP_01 | 304L | 5 | 0.338kg | 01-03-24 | --- | --- | --- | --- |
| 25 | SVS SUPPORTS_1_PIPE_BOTTOM_02 | 304L | 2 | 0.575kg | 01-03-25 | --- | --- | --- | --- |
| 26 | SVS SUPPORTS_2_PIPE_BOTTOM_04 | 304L | 5 | 0.492kg | 01-03-26 | --- | --- | --- | --- |
| 27 | SVS SUPPORTS_2_PIPE_TOP_04 | 304L | 5 | 0.143kg | 01-03-27 | --- | --- | --- | --- |
| 28 | SVS SUPPORTS_1_PIPE_BOTTOM_03 | 304L | 2 | 1.538kg | 01-03-28 | --- | --- | --- | --- |
| 29 | SVS SUPPORTS_9_PIPES_BOTTOM_01 | 304L | 3 | 1.267kg | 01-03-29 | --- | --- | --- | --- |
| 30 | SVS SUPPORTS_9_PIPES_TOP_01 | 304L | 3 | 0.423kg | 01-03-30 | --- | --- | --- | --- |
| 31 | SVS PIPE_CLAMP_SUPPORT_01 | 304L | 2 | 0.495kg | 01-03-31 | --- | --- | --- | --- |
| 32 | SVS_CLAMP_SUPPORT_TOP_01 | 304L | 1 | 0.221kg | 01-03-32 | --- | --- | --- | --- |
| 33 | SVS_CLAMP_SUPPORT_BOTTOM_01 | 304L | 1 | 0.735kg | 01-03-33 | --- | --- | --- | --- |
| 34 | SVS_CLAMP_SUPPORT_TOP_02 | 304L | 1 | 0.221kg | 01-03-34 | --- | --- | --- | --- |
| 35 | SVS_CLAMP_SUPPORT_BOTTOM_02 | 304L | 1 | 0.935kg | 01-03-35 | --- | --- | --- | --- |
| 36 | SVS FTB_CLAMP_01 | 304L | 4 | 1.542kg | 01-03-36 | --- | --- | --- | --- |
| 37 | SVS FTB_CLAMP_02 | 304L | 4 | 1.483kg | 01-03-37 | --- | --- | --- | --- |
| 38 | SVS FTB_PIPE_SUPPORT_01 | 304L | 4 | 0.356kg | 01-03-38 | --- | --- | --- | --- |
| 39 | SVS FTB_PIPE_SUPPORT_02 | 304L | 4 | 0.338kg | 01-03-39 | --- | --- | --- | --- |
| 40 | WASHER_ISO_7089_6 | 42CrMo4 | 46 | 9.782e-004kg | --- | --- | --- | --- | --- |
| 41 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M6X35 | 42CrMo4 | 148 | 0.011kg | --- | --- | --- | --- | --- |
| 42 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M6X20 | 42CrMo4 | 50 | 0.007kg | --- | --- | --- | --- | --- |
| 43 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M6X25 | 42CrMo4 | 4 | 0.008kg | --- | --- | --- | --- | --- |
| 44 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M6X30 | 42CrMo4 | 4 | 0.009kg | --- | --- | --- | --- | --- |
| 45 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M6X55 | 42CrMo4 | 4 | 0.015kg | --- | --- | --- | --- | --- |
| 46 | HEXAGONA_SOCKET_HEAD_CAPSCREW_ISO_4762_M10X70 | 42CrMo4 | 8 | 0.055kg | --- | --- | --- | --- | --- |
| 47 | 316L-4-VCR-3-6MTB7 | 316L | 14 | 0.014kg | --- | --- | --- | --- | --- |
| 48 | 316L-4-VCR-4 | 316L | 14 | 0.015kg | --- | --- | --- | --- | --- |
| 49 | SS_4_VCR_1_SN_31807 | 316L | 6 | 0.028kg | --- | --- | --- | --- | --- |
| 50 | PRODUCT_DESCRIPTION | 316L | 6 | 4.886e-004kg | --- | --- | --- | --- | --- |
| 51 | PRODUCT_DESCRIPTION_1 | 316L | 6 | 0.007kg | --- | --- | --- | --- | --- |
| 52 | SS_TP4_TA4_22707 | 316L | 6 | 0.053kg | --- | --- | --- | --- | --- |
| 53 | GUIDING_PART | 316L | 6 | 0.038kg | --- | --- | --- | --- | --- |
| 54 | CONNECTOR_6LV_4_VCR_61_4TB7 | 316L | 3 | 0.061kg | --- | --- | --- | --- | --- |
| 55 | SUPPORT_CONNECTOR | 316L | 3 | 0.09kg | --- | --- | --- | --- | --- |
| 56 | CRYOPUMP_CONNECTOR | 316L | 2 | 0.144kg | --- | --- | --- | --- | --- |
| 57 | DNB_CRYOPUMP_SVS_FLEXIBLE | 316L | 2 | 1.08kg | --- | --- | --- | --- | --- |
| 58 | CONNECTOR_RID_HV | 316L | 1 | 0.154kg | --- | --- | --- | --- | --- |
| 59 | FLEXIBLE_RID | 316L | 1 | 0.948kg | --- | --- | --- | --- | --- |
| 60 | SS_4_VCR_2_GR | 316L | 18 | 7.66e-004kg | --- | --- | --- | --- | --- |
| 61 | 316L_4_VCR_1_NUT | 316L | 18 | 0.032kg | --- | --- | --- | --- | --- |
| 62 | 316L_4_VCR_35_6MTB7 | 316L | 18 | 0.008kg | --- | --- | --- | --- | --- |

DNB Vessel - SVS Pipe Length

| BEAM LINE VESSEL - BLV | | | | |
|------------------------|-------------------|---------------------------------------|-------------|-----------|
| SR. NO | TAGGING | DESCRIPTION | LENGTH (mm) | MASS (kg) |
| 1 | SVS-CRYO-PUMP-1-1 | SVS Cryo-pump Flange side 1-1 | 5563.256 | 6.316 |
| 2 | SVS-CRYO-PUMP-1-2 | SVS Cryo-pump Flange side 1-2 | 4501.96 | 5.111 |
| 3 | SVS-CRYO-PUMP-2-1 | SVS Cryo-pump Flange side 2-1 | 11450.128 | 12.999 |
| 4 | SVS-CRYO-PUMP-2-2 | SVS Cryo-pump Flange side 2-2 | 11343.461 | 12.878 |
| 5 | SVS-RID-1 | SVS RID HV Feedthrough Flange-1 | 4218.54 | 4.789 |
| 6 | SVS-RID-2 | SVS RID HV Feedthrough Flange-2 | 4246.387 | 4.821 |
| 7 | SVS-ACC-1 | SVS Actuator Flange-1 | 3731.442 | 4.236 |
| 8 | SVS-ACC-2 | SVS Actuator Flange-2 | 6894.576 | 7.827 |
| 9 | SVS-ACC-3 | SVS Actuator Flange-3 | 6953.872 | 7.895 |
| 10 | SVS-CAL-1 | SVS Calorimeter Flange-1 | 6736.09 | 7.648 |
| 11 | SVS-TOP-LID | SVS TOP LID Main | 20854.841 | 27.508 |
| 12 | SVS-TOP-LID-IC-1 | SVS TOP LID Intermediate Connection-1 | 429.407 | 0.489 |
| 13 | SVS-TOP-LID-IC-2 | SVS TOP LID Intermediate Connection-2 | 429.407 | 0.617 |
| 14 | SVS-TOP-LID-IC-3 | SVS TOP LID Intermediate Connection-3 | 543.559 | 0.488 |
| 15 | SVS-TOP-LID-IC-4 | SVS TOP LID Intermediate Connection-4 | 430.72 | 0.488 |
| 16 | SVS-TOP-LID-IC-5 | SVS TOP LID Intermediate Connection-5 | 381.8 | 0.488 |
| 17 | SVS-FEEDTHROUGH-1 | SVS DN25 Feedthrough-1 | 5972.385 | 6.781 |
| 18 | SVS-FS-1 | SVS Fast Shutter Flange-1 | 6797.296 | 7.717 |
| 19 | SVS-HVB-1 | SVS HVB Flange-1 | 11861.998 | 13.467 |
| 20 | SVS-HVB-2 | SVS HVB Flange-2 | 1376.937 | 1.563 |
| 21 | SVS-VI-BOX-1-1 | SVS Vacuum Instrumentation Box 1-1 | 7226.146 | 8.204 |
| 22 | SVS-VI-BOX-1-2 | SVS Vacuum Instrumentation Box 1-2 | 7704.372 | 8.747 |
| 23 | SVS-VI-BOX-2-1 | SVS Vacuum Instrumentation Box 2-1 | 11426.664 | 12.972 |
| 24 | SVS-VI-BOX-2-2 | SVS Vacuum Instrumentation Box 2-2 | 11446.57 | 13.016 |
| 25 | SVS-VI-BOX-3-1 | SVS Vacuum Instrumentation Box 3-1 | 13068.666 | 14.837 |
| 26 | SVS-VI-BOX-3-2 | SVS Vacuum Instrumentation Box 3-2 | 12984.662 | 14.741 |
| 27 | SVS-VI-BOX-4-1 | SVS Vacuum Instrumentation Box 4-1 | 8645.498 | 9.815 |
| 28 | SVS-VI-BOX-4-2 | SVS Vacuum Instrumentation Box 4-2 | 8833.5 | 10.029 |
| 29 | SVS-DRAINAGE-1 | SVS Vessel Drainage Pipe-1 | 6489.358 | 7.367 |
| 30 | SVS-FTB-1 | SVS Feedthrough Box-1 | 12128.951 | 13.771 |
| 31 | SVS-FTB-2 | SVS Feedthrough Box-2 | 11980.919 | 13.603 |
| 32 | SVS-FTB-3 | SVS Feedthrough Box-3 | 12968.889 | 14.725 |
| 33 | SVS-FTB-4 | SVS Feedthrough Box-4 | 13655.361 | 15.504 |
| 34 | SVS-FTB-5 | SVS Feedthrough Box-5 | 13572.138 | 15.409 |
| 35 | SVS-FTB-6 | SVS Feedthrough Box-6 | 13471.713 | 15.295 |
| 36 | SVS-FTB-7 | SVS Feedthrough Box-7 | 13815.188 | 15.685 |
| 37 | SVS-FTB-8 | SVS Feedthrough Box-8 | 14293.805 | 16.229 |
| 38 | EXTRA-1 | SVS Extra Pipe-1 | 4933.5 | 5.477 |
| 39 | EXTRA-2 | SVS Extra Pipe-2 | 4837.5 | 5.368 |
| 40 | EXTRA-3 | SVS Extra Pipe-3 | 4741.5 | 5.259 |
| 41 | EXTRA-4 | SVS Extra Pipe-4 | 4645.5 | 5.15 |
| 42 | EXTRA-5 | SVS Extra Pipe-5 | 4684.5 | 5.21 |
| 43 | EXTRA-6 | SVS Extra Pipe-6 | 4588.5 | 5.101 |

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| | | | | |
|----|----------|-------------------|---------|--------|
| 44 | EXTRA-7 | SVS Extra Pipe-7 | 4492.5 | 4.992 |
| 45 | EXTRA-8 | SVS Extra Pipe-8 | 4396.5 | 4.883 |
| 46 | EXTRA-9 | SVS Extra Pipe-9 | 4300.6 | 4.775 |
| 47 | EXTRA-10 | SVS Extra Pipe-10 | 4399.6 | 4.903 |
| 48 | EXTRA-11 | SVS Extra Pipe-11 | 4303.6 | 4.794 |
| 49 | EXTRA-12 | SVS Extra Pipe-12 | 4207.6 | 4.685 |
| 50 | EXTRA-13 | SVS Extra Pipe-13 | 4111.6 | 4.576 |
| 51 | EXTRA-14 | SVS Extra Pipe-14 | 4015.6 | 4.467 |
| 52 | EXTRA-15 | SVS Extra Pipe-15 | 10657.8 | 12.044 |

| DNB FEEDTHROUGH BOX ASSEMBLY - 01-02-00 | | | | | | | | |
|---|-------------------------------------|----------|----------|----------|--------------|----------------|------------------|----------|
| SR.NO. | PART NUMBER | REVISION | Material | Quantity | Weight | Drawing Number | Drawing Revision | COMMENTS |
| 1 | ENCLOSURE_BODY | --H | 304L | 1 | 729.658kg | 058500 | --A | |
| 2 | DN300_FLANGE | --D | 304L | 8 | 28.633kg | 058500 | --A | |
| 3 | DNB_FEEDTHROUGH_BOX_PIPE | --F | 304L | 1 | 50.342kg | 01-02-01 | --A | |
| 4 | CUSTOM_BLANK_FLANGE_DN300 | --A | 304L | 8 | 44.484kg | 057852 | --B | |
| 5 | DN300_SEAL#YQVZKV | --A | | 8 | 0kg | 111-0081957 | | |
| 6 | DOUBLE_SEAL_PUSH_FIT_RETAINER | --- | 660 | 24 | 3.119e-004kg | 058611 | --A | |
| 7 | PROFILE_T#Q2S4QG | --B | 304L | 4 | 2.987kg | | | |
| 8 | TUBE_CONNECTOR_SS_T6MS_1M_6ME | --C | 304L | 8 | 0.003kg | 058500 | --A | |
| 9 | 316L-4-VCR-3-6MTB7 | --- | 304L | 8 | 0.014kg | | | |
| 10 | 316L-4-VCR-4 | --- | 304L | 8 | 0.015kg | | | |
| 11 | SS-4-VCR-CP | --- | 304L | 8 | 0.037kg | | | |
| 12 | SS-4-VCR-2-GR | --- | 304L | 8 | 7.66e-004kg | | | |
| 13 | CYLINDER_HEAD_SCREW_ISO_4762_M16X70 | --- | 42CrM04 | 144 | 0.156kg | | | |
| 14 | WASHER_ISO_7089_16 | --- | 42CrM04 | 144 | 0.011kg | | | |
| 15 | IN_VESSEL_INSERT-M16X35_30.5 | --- | 42CrM04 | 144 | 0.1kg | 058407 | --A | |
| 16 | CLAMPING_PIN_ISO_8752_6X35 | --- | 42CrM04 | 144 | 0.005kg | | | |
| 17 | EYE_BOLT_ISO_3266_M8X12 | --- | 42CrM04 | 4 | 0.046kg | | | |
| 18 | DNB_TC_COUPLER_BOX_SUPPORT | --- | 304L | 2 | 32.545kg | | | |