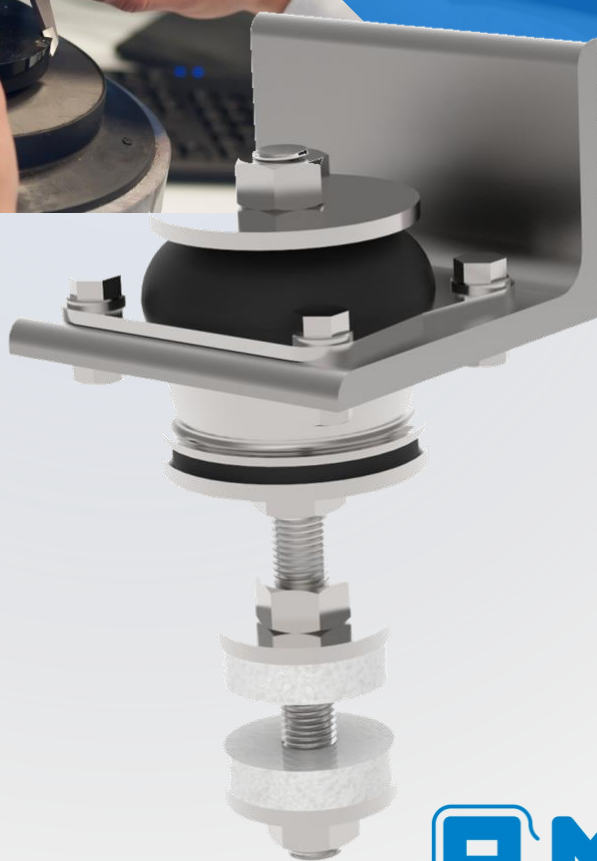
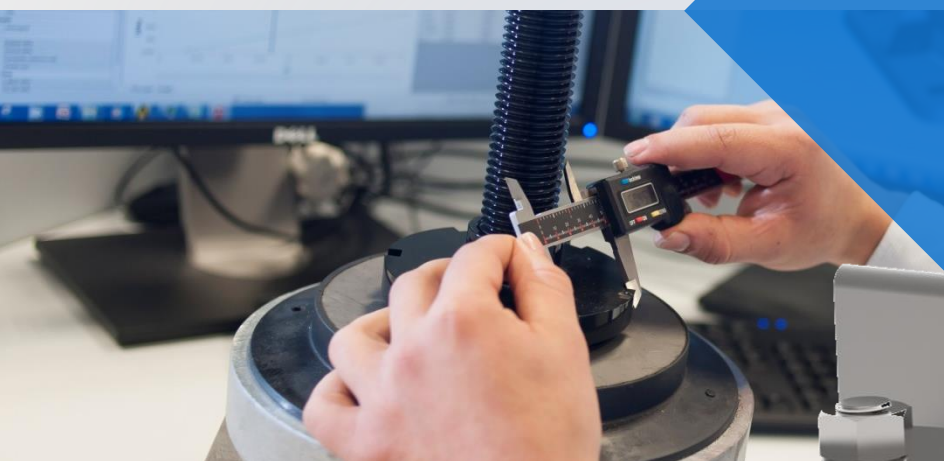




MARINE
EXHAUST MOUNTS
AMC MECANOCAUCHO®



AMC
MECANOCAUCHO

DESCRIPTION OF THE PRODUCT

ST MARINE EXHAUST MOUNTS

The ST Marine Exhaust mounts from AMC-MECANOCAUCHO are designed for to suspend exhaust ducts in Marine applications. Their particular design allows the duct to displace when exposed to thermal expansions and contractions. There are 11 different models to suit hanging loads from 40Kg to 2000Kg.

All the ST Marine Exhaust mounts are equipped with interlocking metal parts to withstand to high compression and traction loads. This failsafe feature provides an extra safety for the application.

SFT MARINE EXHAUST MOUNTS

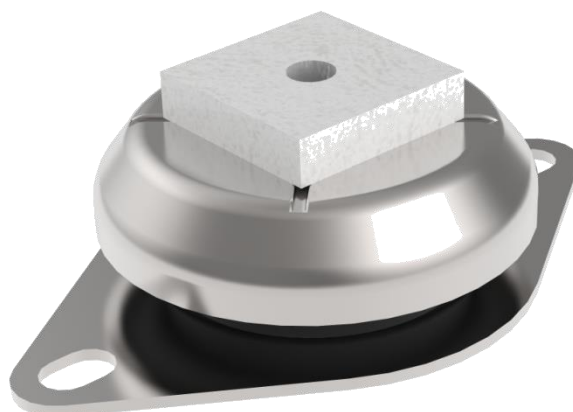
The SFT Marine Exhaust mounts from AMC-MECANOCAUCHO are designed for to suspend exhaust ducts in Marine applications. Their particular design suspend ducts and provide a lateral stability. There are 11 different models to suit hanging loads from 40Kg to 2000Kg.

All the SFT Marine Exhaust mounts are equipped with interlocking metal parts to withstand to high compression and traction loads. This failsafe feature provides an extra safety for the application.

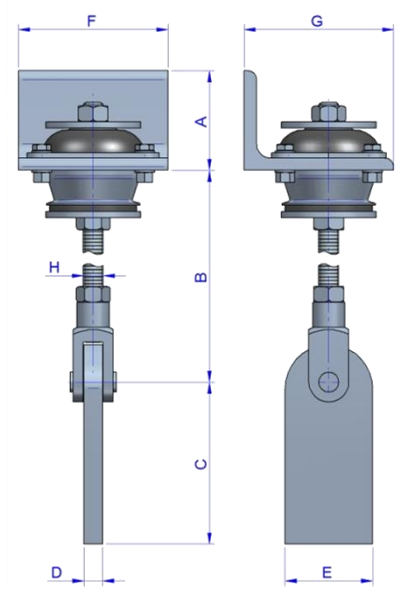
SFC MARINE EXHAUST MOUNTS

The SFC Marine Exhaust mounts from AMC-MECANOCAUCHO are designed for to support exhaust ducts in Marine applications. Their particular design support ducts and provide a lateral stability. There are 4 different models to suit hanging loads from 270Kg to 3400Kg.

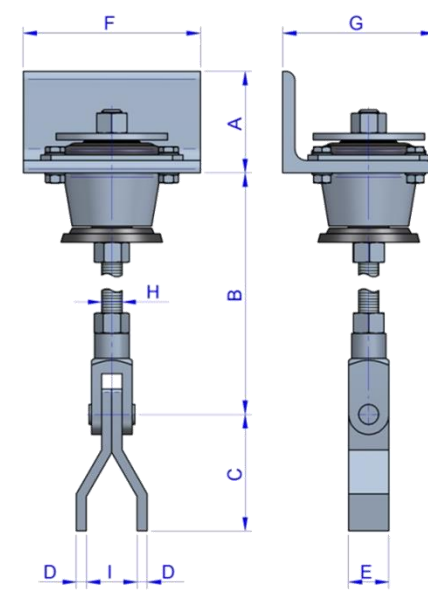
All the SFC Marine Exhaust mounts are equipped with interlocking metal parts to withstand to high compression and traction loads. This failsafe feature provides an extra safety for the application. They also incorporate a thermal insulation plate to prevent the compound to be exposed to high temperatures that may put in risk the thermostability of the elastic compound.



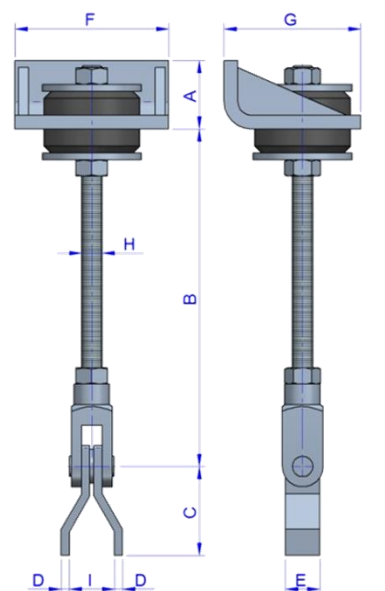
RANGE ST



TYPE A

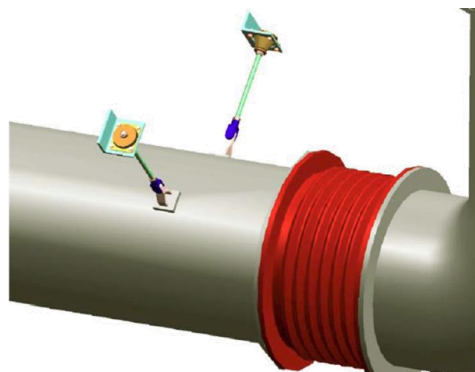


TYPE B

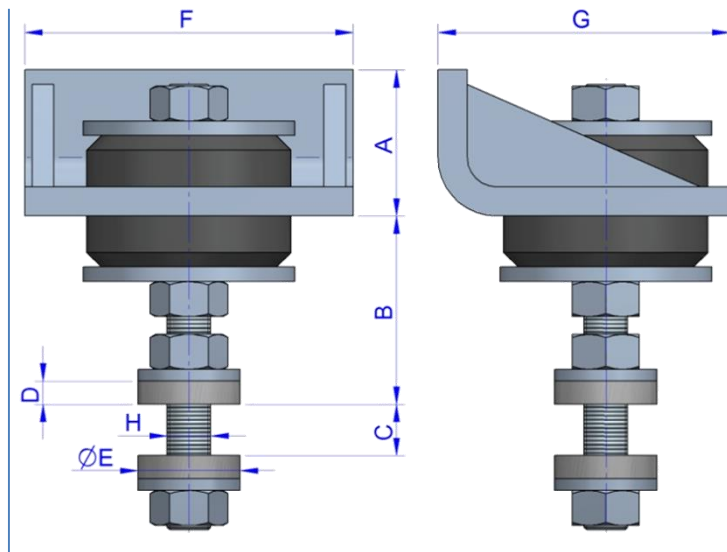
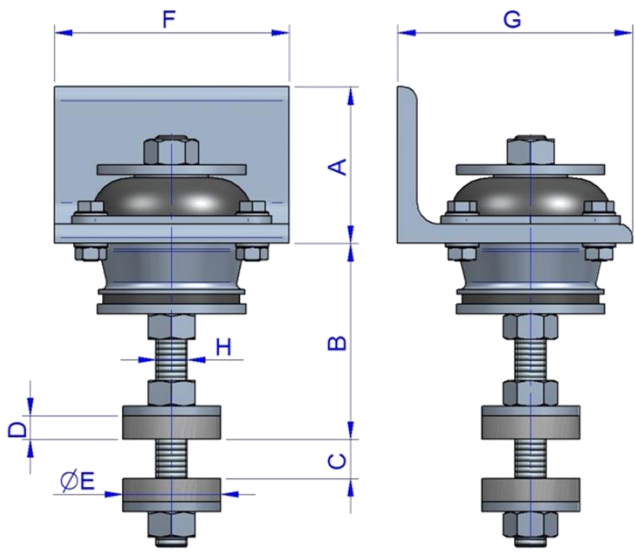


TYPE C

| Code | Description | Type | A | B | C | D | E | F | G | H | I | Hardness | Max. Load (kg) |
|--------|--------------|------|-----|-----|-----|----|----|-----|-----|-----|----|----------|----------------|
| 709101 | ST-100 45Sh | A | 50 | 325 | 118 | 10 | 50 | 110 | 100 | M12 | - | 45Sh | 75 |
| 709105 | ST-100 60Sh | A | 50 | 325 | 118 | 10 | 50 | 110 | 100 | M12 | - | 60Sh | 140 |
| 709111 | ST-150 45Sh | A | 50 | 325 | 118 | 10 | 50 | 110 | 100 | M12 | - | 45Sh | 100 |
| 709115 | ST-150 60Sh | A | 50 | 325 | 118 | 10 | 50 | 110 | 100 | M12 | - | 60Sh | 180 |
| 709121 | ST-250 40Sh | A | 80 | 477 | 130 | 15 | 70 | 120 | 120 | M16 | - | 40Sh | 140 |
| 709125 | ST-250 60Sh | A | 80 | 477 | 130 | 15 | 70 | 120 | 120 | M16 | - | 60Sh | 300 |
| 709131 | ST-500 60Sh | A | 80 | 477 | 130 | 15 | 70 | 120 | 120 | M16 | - | 60Sh | 500 |
| 709135 | ST-500 70Sh | A | 80 | 477 | 130 | 15 | 70 | 120 | 120 | M16 | - | 70Sh | 750 |
| 709141 | ST-1000 65Sh | B | 100 | 485 | 115 | 10 | 40 | 175 | 150 | M20 | 50 | 65Sh | 1100 |
| 709145 | ST-1000 75Sh | B | 100 | 485 | 115 | 10 | 40 | 175 | 150 | M20 | 50 | 75Sh | 1560 |
| 709151 | ST-2000 60Sh | C | 100 | 500 | 130 | 12 | 50 | 225 | 200 | M30 | 66 | 60Sh | 2000 |



RANGE SFT



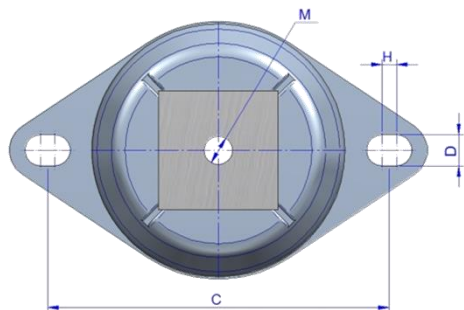
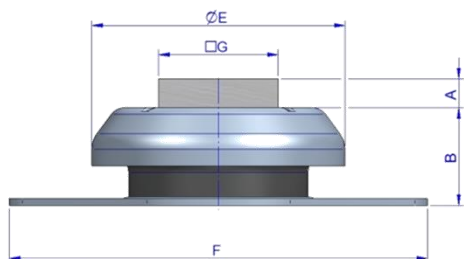
TYPE A

TYPE B

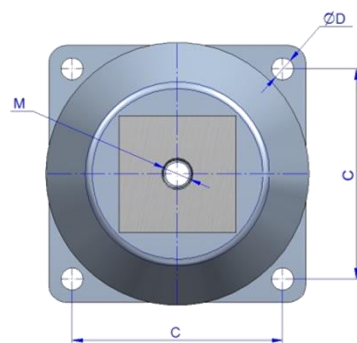
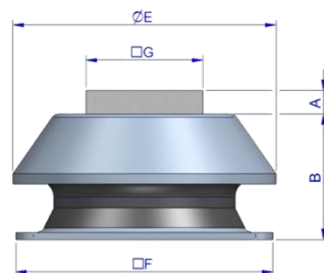
| Code | Description | Type | A | B (min) | C (max) | D | E | F | G | H | Hardness | Max. Load (kg) |
|--------|---------------|------|-----|---------|---------|----|----|-----|-----|-----|----------|----------------|
| 709201 | SFT-100 45Sh | A | 50 | 51,5 | 20 | 12 | 36 | 110 | 100 | M12 | 45Sh | 75 |
| 709205 | SFT-100 60Sh | A | 50 | 51,5 | 20 | 12 | 36 | 110 | 100 | M12 | 60Sh | 140 |
| 709211 | SFT-150 45Sh | A | 50 | 51,5 | 20 | 12 | 36 | 110 | 100 | M12 | 45Sh | 100 |
| 709215 | SFT-150 60Sh | A | 50 | 51,5 | 20 | 12 | 36 | 110 | 100 | M12 | 60Sh | 180 |
| 709221 | SFT-250 40Sh | A | 80 | 80 | 40 | 12 | 50 | 120 | 120 | M16 | 40Sh | 140 |
| 709225 | SFT-250 60Sh | A | 80 | 80 | 40 | 12 | 50 | 120 | 120 | M16 | 60Sh | 300 |
| 709231 | SFT-500 60Sh | A | 80 | 80 | 40 | 12 | 50 | 120 | 120 | M16 | 60Sh | 500 |
| 709235 | SFT-500 70Sh | A | 80 | 80 | 40 | 12 | 50 | 120 | 120 | M16 | 70Sh | 750 |
| 709241 | SFT-1000 65Sh | A | 100 | 100 | 50 | 12 | 60 | 175 | 150 | M20 | 65Sh | 1100 |
| 709245 | SFT-1000 75Sh | A | 100 | 100 | 50 | 12 | 60 | 175 | 150 | M20 | 75Sh | 1560 |
| 709251 | SFT-2000 60Sh | B | 100 | 120 | 50 | 16 | 70 | 225 | 200 | M30 | 60Sh | 2000 |



RANGE SFC



TYPE A



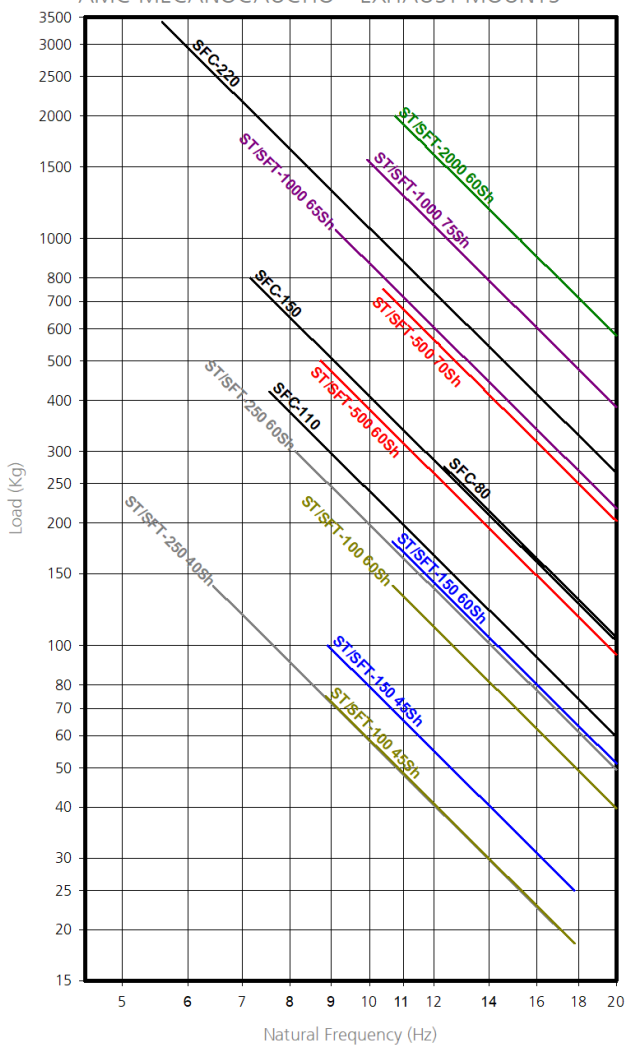
TYPE B

| Code | Description | Type | A | B | C | D | E | F | G | H | M | Hardnes s | Max. Load (kg) |
|--------|-------------|------|----|------|-------|------|-----|-----|-----|-----|-----|--------------|----------------------|
| 709301 | SFC-80 | A | 12 | 34 | 123,2 | 10 | 92 | 150 | 45 | 4,4 | M12 | 60Sh | 270 |
| 709305 | SFC-110 | A | 12 | 41 | 143 | 13 | 106 | 175 | 50 | 6 | M12 | 60Sh | 420 |
| 709311 | SFC-150 | A | 16 | 53,5 | 182 | 14,5 | 156 | 218 | 80 | 6 | M16 | 60Sh | 800 |
| 709315 | SFC-220 | B | 20 | 105 | 180 | 19 | 230 | 220 | 100 | - | M24 | 60Sh | 3400 |

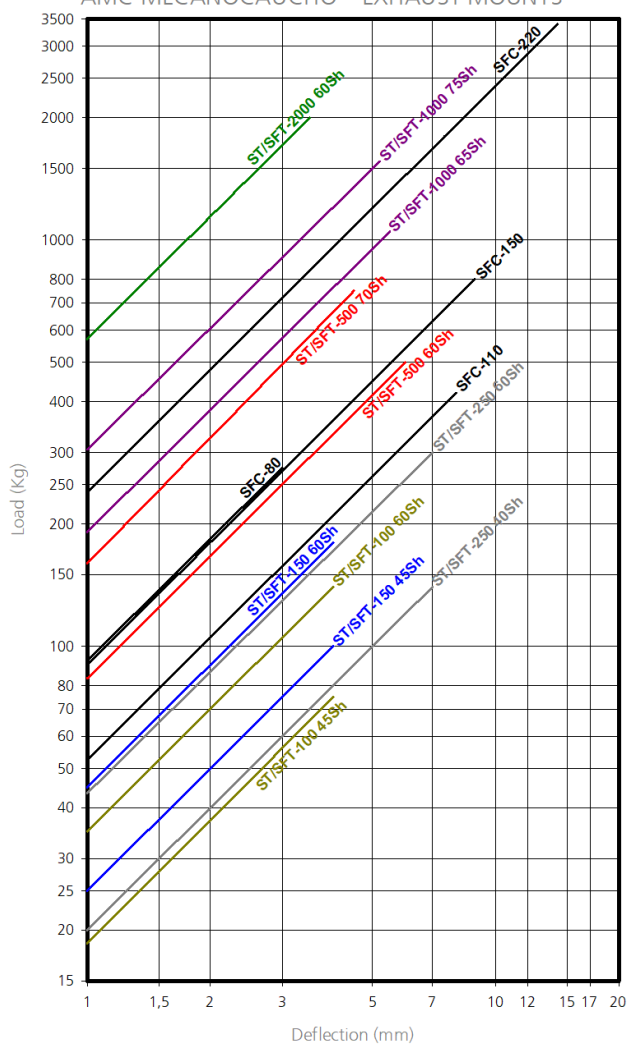


TECHNICAL CHARACTERISTICS

NATURAL FREQUENCY
AMC MECANOCAUCHO® EXHAUST MOUNTS



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® EXHAUST MOUNTS

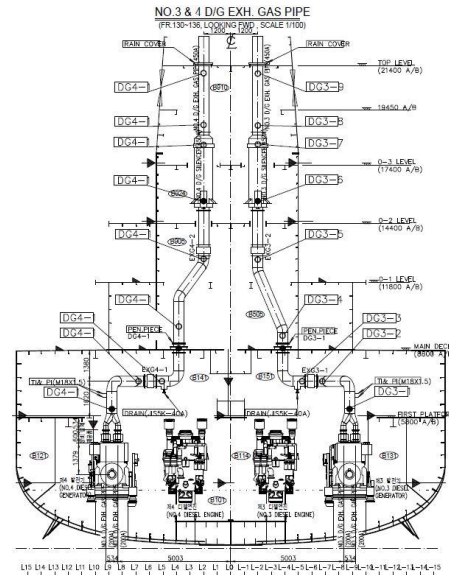


REFERENCES:

DAEWOO SHIPBUILDING & MARINE ENGINEERING (DSME)

Rescue ship with reference H 7060.

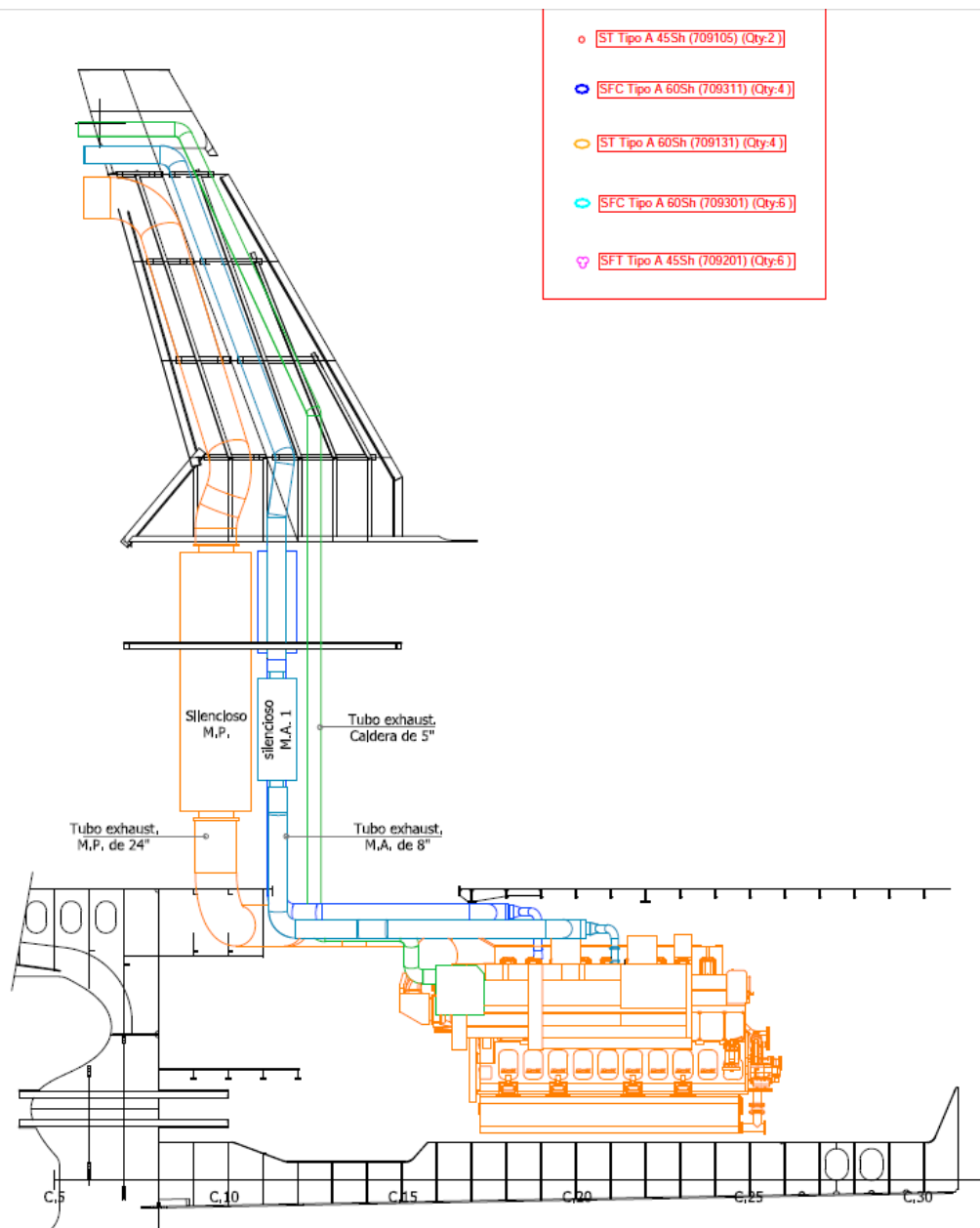
| Fixation Point | Fixed/Sliding | Qty. | Description | Reference | Qty per section | Average load per mount (kg) | Theoretical natural frequency at average load (Hz) | | | |
|----------------|-----------------|------|--------------|-----------|-----------------|-----------------------------|--|----|-----|-------|
| DG1-1 | Fixed | 2 | SFT-500 60Sh | 709231 | 22 | 181 | 15,06 | | | |
| DG1-2 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-3 | Fixed | 2 | SFT-500 60Sh | 709231 | | | | | | |
| DG1-4 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-5 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-6 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-7 | Fixed | 2 | SFT-500 60Sh | 709231 | | | | | | |
| DG1-8 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-9 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-11 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-12 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-14 | Fixed | 4 | SFC-150 | 709311 | | | | 4 | 258 | 12,61 |
| DG1-15 | Sliding | 2 | ST-500 60Sh | 709131 | 6 | 64 | 25,32 | | | |
| DG1-16 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG1-17 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-1 | Fixed | 2 | SFT-500 60Sh | 709231 | 24 | 165 | 15,77 | | | |
| DG2-2 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-3 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-4 | Fixed | 2 | SFT-500 60Sh | 709231 | | | | | | |
| DG2-5 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-6 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-7 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-8 | Sliding=> Fixed | 2 | SFT-500 60Sh | 709131 | | | | | | |
| DG2-9 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-10 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-13 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-14 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-15 | Fixed | 4 | SFC-150 | 709311 | 4 | 258 | 12,61 | | | |
| DG2-16 | Sliding | 2 | ST-500 60Sh | 709131 | 6 | 64 | 25,32 | | | |
| DG2-17 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG2-18 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG3-1 | Fixed | 2 | SFT-500 60Sh | 709231 | 10 | 149 | 16,60 | | | |
| DG3-2 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG3-3 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG3-4 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG3-5 | Sliding | 2 | ST-500 60Sh | 709131 | 4 | 258 | 12,61 | | | |
| DG3-6 | Fixed | 4 | SFC-150 | 709311 | | | | | | |
| DG3-7 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG3-8 | Sliding | 2 | ST-500 60Sh | 709131 | 6 | 65 | 25,13 | | | |
| DG3-9 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-1 | Fixed | 2 | SFT-500 60Sh | 709231 | | | | 10 | 150 | 16,54 |
| DG4-2 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-3 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-4 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-5 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-6 | Fixed | 4 | SFC-150 | 709311 | 4 | 258 | 12,61 | | | |
| DG4-7 | Sliding | 2 | ST-500 60Sh | 709131 | 6 | 65 | 25,13 | | | |
| DG4-8 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DG4-9 | Sliding | 2 | ST-500 60Sh | 709131 | | | | | | |
| DE1-1 | Fixed | 2 | SFT-500 70Sh | 709235 | 10 | 199 | 20,18 | | | |
| DE1-2 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE1-3 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE1-5 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE1-6 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE1-7 | Fixed | 4 | SFC-220 | 709315 | | | | 4 | 794 | 11,58 |
| DE1-8 | Sliding | 2 | ST-500 70Sh | 709135 | | | | 6 | 128 | 25,16 |
| DE1-9 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE1-10 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-1 | Fixed | 2 | SFT-500 70Sh | 709235 | | | | 10 | 199 | 20,18 |
| DE2-2 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-3 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-5 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-6 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-7 | Fixed | 4 | SFC-220 | 709315 | 4 | 794 | 11,58 | | | |
| DE2-8 | Fixed | 2 | SFT-500 70Sh | 709235 | 6 | 128 | 25,16 | | | |
| DE2-9 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE2-10 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE3-1 | Fixed | 2 | SFT-500 70Sh | 709235 | 6 | 255 | 17,83 | | | |
| DE3-3 | Fixed | 2 | SFT-500 70Sh | 709235 | | | | | | |
| DE3-4 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE3-5 | Fixed | 4 | SFC-220 | 709315 | | | | 4 | 794 | 11,58 |
| DE3-6 | Sliding | 2 | ST-500 70Sh | 709135 | | | | 6 | 127 | 25,26 |
| DE3-7 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE3-8 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE4-1 | Fixed | 2 | SFT-500 70Sh | 709235 | | | | 6 | 255 | 17,83 |
| DE4-3 | Fixed | 2 | SFT-500 70Sh | 709235 | | | | | | |
| DE4-4 | Sliding | 2 | ST-500 70Sh | 709135 | 4 | 794 | 11,58 | | | |
| DE4-5 | Fixed | 4 | SFC-220 | 709315 | | | | | | |
| DE4-6 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |
| DE4-7 | Sliding | 2 | ST-500 70Sh | 709135 | 6 | 127 | 25,26 | | | |
| DE4-8 | Sliding | 2 | ST-500 70Sh | 709135 | | | | | | |



REFERENCES:

NODOSA SHIPYARD

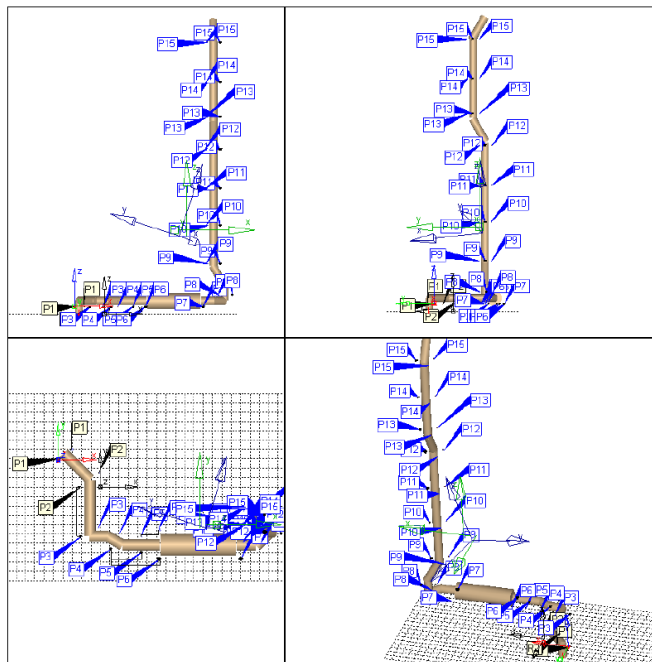
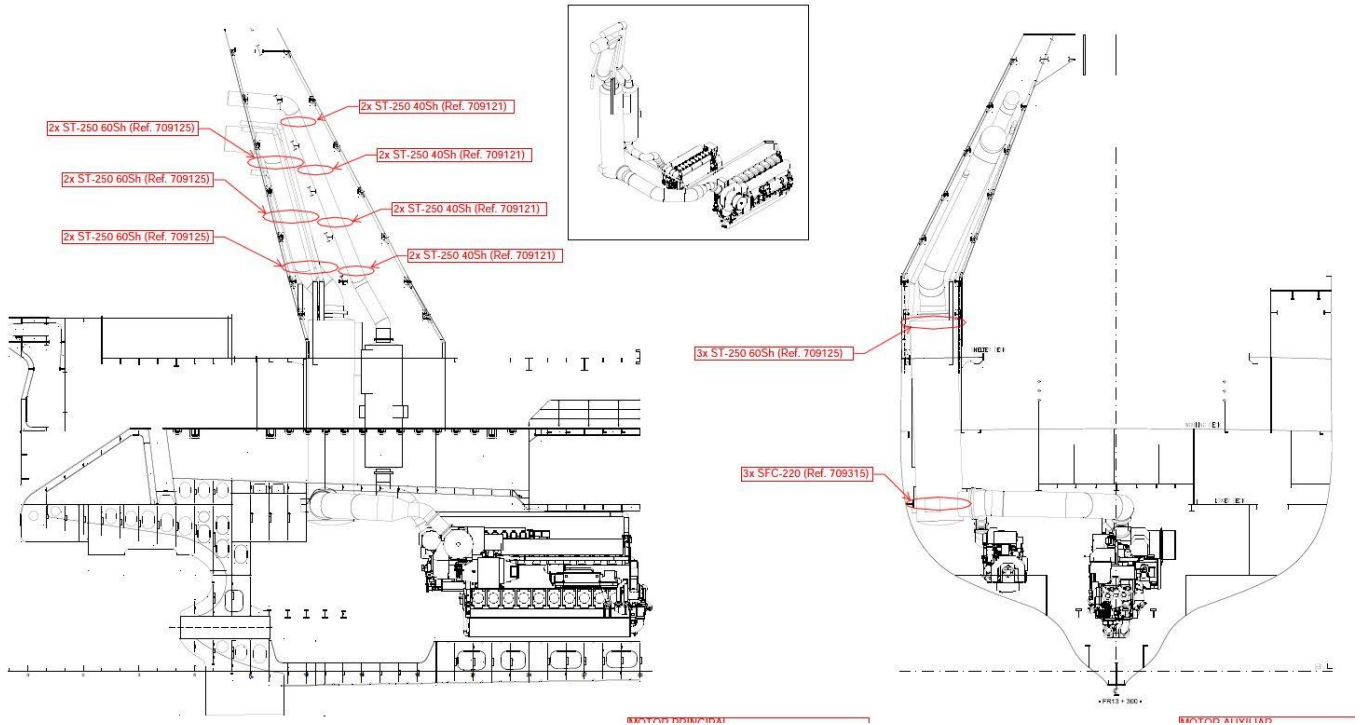
Fishing boat reference C300.



REFERENCES:

NODOSA SHIPYARD

Fishing boat reference C299.



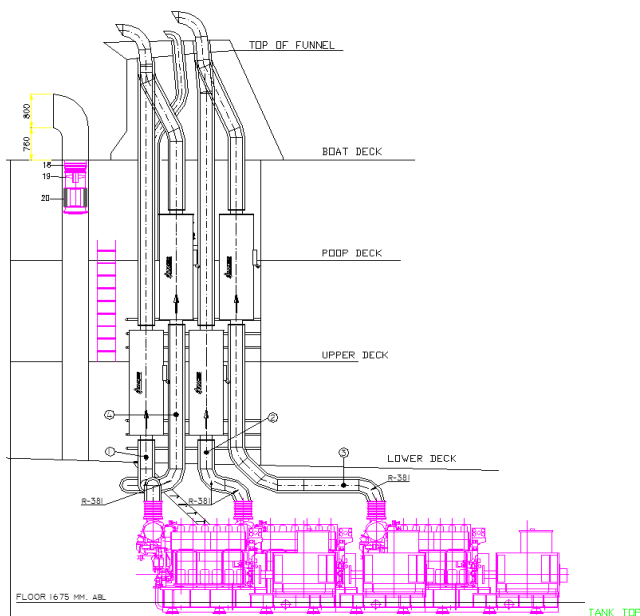
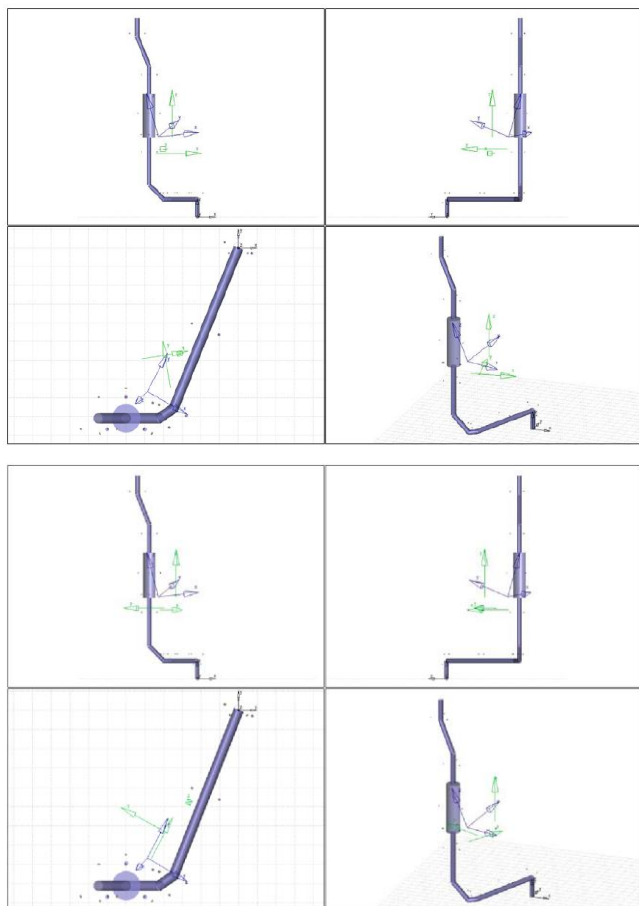
Static Loads Isolators

| Name | ref. to | Fx [kN] | Fy [kN] | Fz [kN] |
|------|---------|-----------|-----------|-----------|
| P1 | Machine | 0.04069 | -0.004997 | -1.125 |
| P1 | Machine | 0.03793 | -0.001581 | -1.115 |
| P2 | Machine | 0.07348 | 0.000471 | -0.9441 |
| P2 | Machine | 0.06775 | 0.008015 | -0.9327 |
| P3 | Machine | 0.09263 | 0.0009062 | -0.9547 |
| P3 | Machine | 0.08929 | 0.007652 | -0.9455 |
| P4 | Machine | 0.09734 | 0.01258 | -0.9448 |
| P4 | Machine | 0.09125 | 0.01599 | -0.9376 |
| P5 | Machine | 0.09879 | 0.02426 | -0.9331 |
| P5 | Machine | 0.09255 | 0.02441 | -0.9293 |
| P6 | Machine | 0.0653 | 0.02018 | -1.101 |
| P6 | Machine | 0.05805 | 0.02037 | -1.093 |
| P7 | Machine | 0.0653 | 0.04058 | -1.06 |
| P7 | Machine | 0.05805 | 0.04058 | -1.052 |
| P8 | Machine | 0.07159 | -1.686 | 0.04031 |
| P8 | Machine | 0.03893 | -1.706 | -0.04964 |
| P8 | Machine | 0.0971 | -1.696 | -0.009624 |
| P9 | Machine | 0.04596 | -1.698 | 0.02151 |
| P9 | Machine | 0.02035 | -1.719 | -0.02866 |
| P9 | Machine | 0.0526 | -1.71 | -0.007436 |
| P10 | Machine | 0.02248 | -1.698 | -0.001137 |
| P10 | Machine | -0.005918 | -1.719 | -0.006834 |
| P10 | Machine | 0.002851 | -1.71 | -0.008267 |
| P11 | Machine | -0.000236 | -0.7561 | -0.01443 |
| P11 | Machine | -0.02732 | -0.7654 | 0.008942 |
| P11 | Machine | -0.0395 | -0.7611 | -0.00567 |
| P12 | Machine | -0.05827 | -0.01591 | -1.041 |
| P12 | Machine | -0.05588 | -0.02111 | -1.054 |
| P12 | Machine | -0.06042 | -0.02055 | -1.048 |
| P13 | Machine | -0.03831 | -0.7527 | -0.04293 |
| P13 | Machine | -0.07494 | -0.7621 | 0.03541 |
| P13 | Machine | -0.1252 | -0.7578 | -0.007713 |
| P14 | Machine | -0.05685 | -0.7527 | -0.05577 |
| P14 | Machine | -0.09568 | -0.7621 | 0.04777 |
| P14 | Machine | -0.1645 | -0.7578 | -0.008183 |
| P15 | Machine | -0.08964 | -1.691 | -0.1127 |
| P15 | Machine | -0.1371 | -1.712 | 0.09908 |
| P15 | Machine | -0.2405 | -1.702 | -0.01396 |

REFERENCES:

NODOSA SHIPYARD

Fishing boat reference C282.



EXHAUST 1:

- 3x SFT-100 60Sh (ref. 709205)
- 20x ST-150 45Sh (ref. 709111)
- 3x SFC-110 (ref. 709305)

EXHAUST 2:

- 3x SFT-100 60Sh (ref. 709205)
- 16x ST-150 45Sh (ref. 709111)
- 3x SFC-110 (ref. 709305)

EXHAUST 3:

- 3x SFT-100 60Sh (ref. 709205)
- 20x ST-150 45Sh (ref. 709111)
- 3x SFC-110 (ref. 709305)

EXHAUST 4:

- 3x SFT-100 60Sh (ref. 709205)
- 18x ST-150 45Sh (ref. 709111)
- 3x SFC-110 (ref. 709305)

Static Loads Isolators

| Name | rel. to | Fx [kN] | Fy [kN] | Fz [kN] |
|--------------------------|---------|-----------|---------|------------|
| Isolator1 - SFT-100 60Sh | Machine | -0.009751 | -0.1343 | -0.577 |
| Isolator2 - SFT-100 60Sh | Machine | -0.00609 | -0.1329 | -0.5691 |
| Isolator3 - SFT-100 60Sh | Machine | -0.00609 | -0.1358 | -0.5679 |
| Isolator4 - ST-150 45Sh | Machine | 0.3711 | -0.1475 | -0.2754 |
| Isolator5 - ST-150 45Sh | Machine | -0.3865 | 0.03907 | -0.2889 |
| Isolator6 - ST-150 45Sh | Machine | 0.388 | -0.1517 | -0.2966 |
| Isolator7 - ST-150 45Sh | Machine | -0.4092 | 0.04473 | -0.3015 |
| Isolator8 - ST-150 45Sh | Machine | 0.4049 | -0.1559 | -0.3137 |
| Isolator9 - ST-150 45Sh | Machine | -0.4318 | 0.05038 | -0.3141 |
| Isolator10 - ST-150 45Sh | Machine | -0.004622 | 0 | -0.004126 |
| Isolator11 - ST-150 45Sh | Machine | 0.004691 | 0 | 9.198e-005 |
| Isolator12 - ST-150 45Sh | Machine | -0.004832 | 0 | 0.004035 |
| Isolator13 - SFC-110 | Machine | -0.003454 | 0.02486 | -1.099 |
| Isolator14 - SFC-110 | Machine | 0.0006243 | 0.02721 | -1.072 |
| Isolator15 - SFC-110 | Machine | 0.0006243 | 0.02251 | -1.067 |
| Isolator16 - ST-150 45Sh | Machine | 0.0004002 | 0 | 0.02992 |
| Isolator17 - ST-150 45Sh | Machine | -0.03813 | 0 | -0.01322 |
| Isolator18 - ST-150 45Sh | Machine | 0.03089 | 0 | -0.0167 |
| Isolator19 - ST-150 45Sh | Machine | 0.006805 | 0 | 0.06396 |
| Isolator20 - ST-150 45Sh | Machine | -0.07957 | 0 | -0.02652 |
| Isolator21 - ST-150 45Sh | Machine | 0.068 | 0 | -0.03744 |
| Isolator22 - ST-150 45Sh | Machine | 0.01264 | 0 | 0.09728 |
| Isolator23 - ST-150 45Sh | Machine | -0.1209 | 0 | -0.03939 |
| Isolator24 - ST-150 45Sh | Machine | 0.1035 | 0 | -0.05789 |

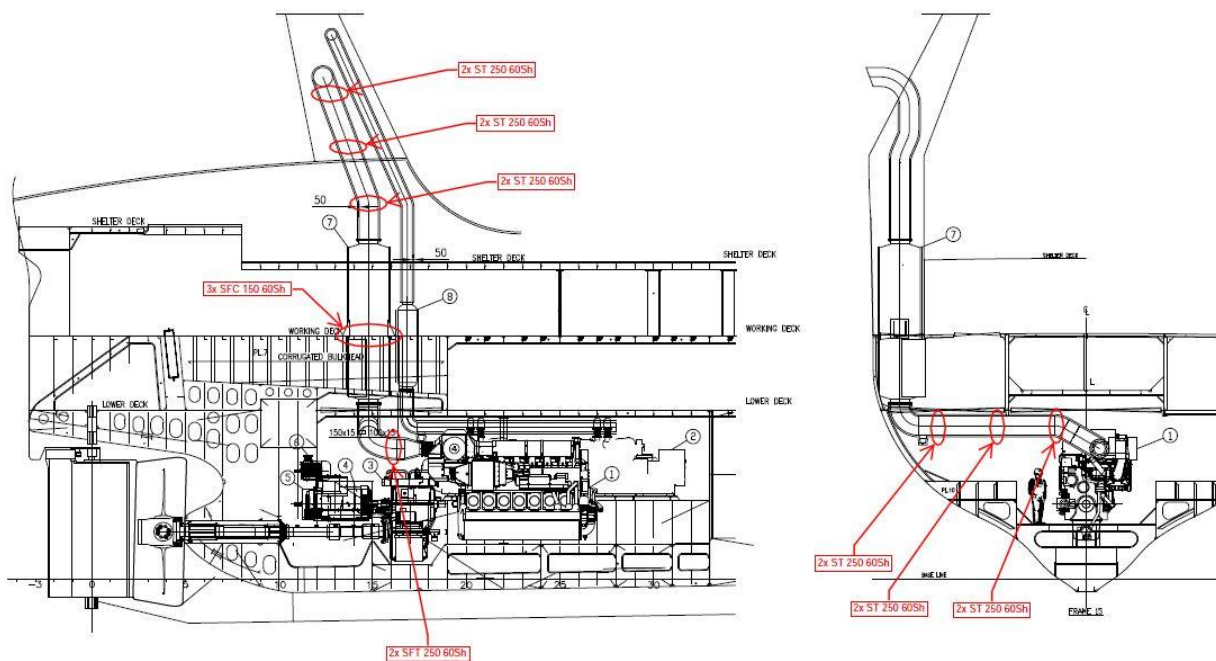
Static Displacements Isolators

| Name | rel. to | x [mm] | y [mm] | z [mm] |
|--------------------------|---------|-----------|---------|-----------|
| Isolator1 - SFT-100 60Sh | Machine | -0.009751 | -0.2005 | -1.649 |
| Isolator2 - SFT-100 60Sh | Machine | -0.00609 | -0.1984 | -1.626 |
| Isolator3 - SFT-100 60Sh | Machine | -0.00609 | -0.2026 | -1.623 |
| Isolator4 - ST-150 45Sh | Machine | 1.114 | -0.443 | -1.118 |
| Isolator5 - ST-150 45Sh | Machine | -1.161 | 0.1173 | -1.156 |
| Isolator6 - ST-150 45Sh | Machine | 1.165 | -0.4557 | -1.186 |
| Isolator7 - ST-150 45Sh | Machine | -1.229 | 0.1343 | -1.206 |
| Isolator8 - ST-150 45Sh | Machine | 1.216 | -0.4683 | -1.255 |
| Isolator9 - ST-150 45Sh | Machine | -1.297 | 0.1513 | -1.256 |
| Isolator10 - ST-150 45Sh | Machine | -0.01388 | 1.83 | -0.01651 |
| Isolator11 - ST-150 45Sh | Machine | 0.01409 | 1.786 | 0.0003679 |
| Isolator12 - ST-150 45Sh | Machine | -0.01451 | 1.779 | 0.01614 |
| Isolator13 - SFC-110 | Machine | -0.00628 | 0.0452 | -1.832 |
| Isolator14 - SFC-110 | Machine | 0.001135 | 0.04948 | -1.786 |
| Isolator15 - SFC-110 | Machine | 0.001135 | 0.04092 | -1.779 |
| Isolator16 - ST-150 45Sh | Machine | 0.001202 | 1.844 | 0.1197 |
| Isolator17 - ST-150 45Sh | Machine | -0.1145 | 1.781 | -0.05287 |
| Isolator18 - ST-150 45Sh | Machine | 0.09277 | 1.771 | -0.0668 |
| Isolator19 - ST-150 45Sh | Machine | 0.02043 | 1.83 | 0.2558 |
| Isolator20 - ST-150 45Sh | Machine | -0.2389 | 1.786 | -0.1061 |
| Isolator21 - ST-150 45Sh | Machine | 0.2042 | 1.779 | -0.1498 |
| Isolator22 - ST-150 45Sh | Machine | 0.03795 | 1.826 | 0.3891 |
| Isolator23 - ST-150 45Sh | Machine | -0.3631 | 1.782 | -0.1576 |
| Isolator24 - ST-150 45Sh | Machine | 0.3109 | 1.775 | -0.2316 |

REFERENCES:

NODOSA SHIPYARD

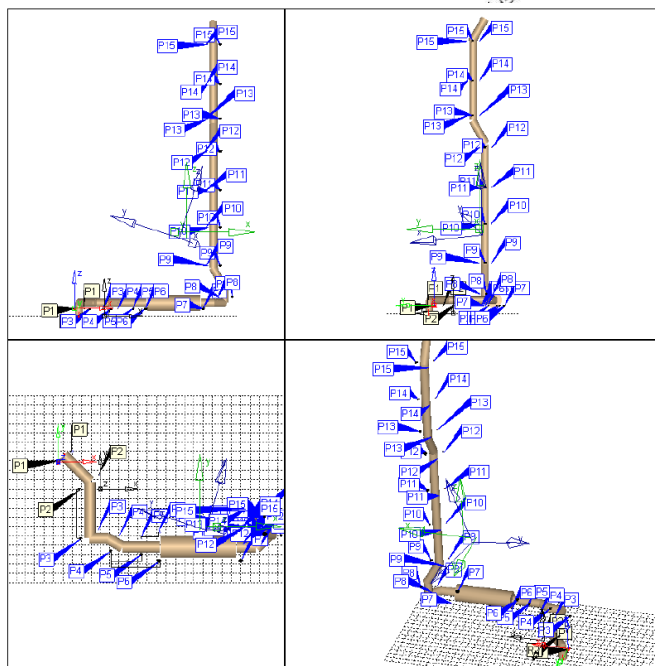
Fishing boat reference C288.



ESCAPE MOTOR PRINCIPAL:
Longitud total tubería: 11,5m aprox.
Peso total: 2400kg aprox. (incluyendo silenciador)
SOPORTES RECOMENDADOS:
2x SFT 250 60Sh (Cod. 709225)
12x ST 250 60Sh (Cod. 709125)
3x SFC 150 (Cod. 709311)

ESCAPE GEN SET 1:
Longitud tubería DN200: 14m aprox.
Longitud tubería DN150: 3,1m aprox.
Peso total: 1040kg aprox. (incluyendo silenciador)
SOPORTES RECOMENDADOS:
4x SFT 100 60Sh (Cod. 709205)
14x ST 150 60Sh (Cod. 709115)
3x SFC 110 (Cod. 709305)

ESCAPE GEN SET 2:
Longitud tubería DN300: 10,5m aprox.
Longitud tubería DN150: 1,6m aprox.
Peso total: 820kg aprox. (incluyendo silenciador)
SOPORTES RECOMENDADOS:
4x SFT 100 60Sh (Cod. 709205)
10x ST 150 60Sh (Cod. 709115)
3x SFC 110 (Cod. 709305)



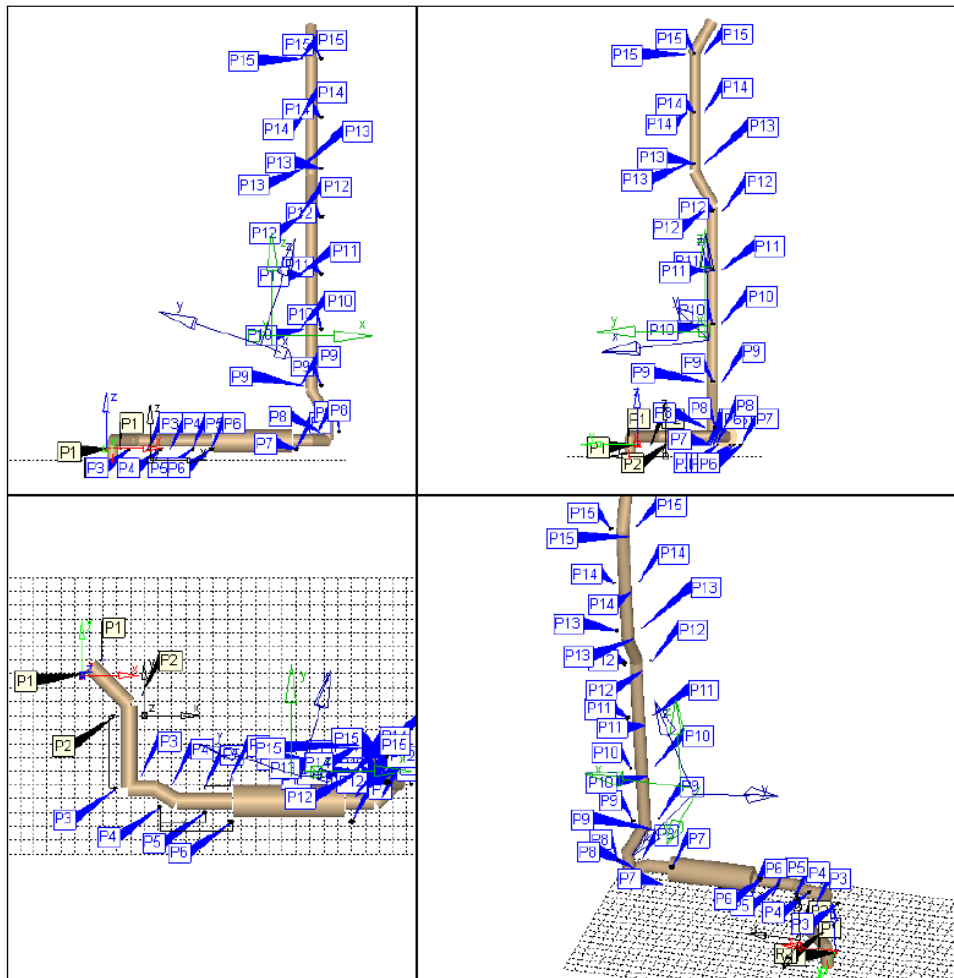
Static Loads Isolators

| Name | ref. to | Fx [kN] | Fy [kN] | Fz [kN] |
|------|---------|-----------|-----------|-----------|
| P1 | Machine | 0.04069 | -0.004997 | -1.125 |
| P1 | Machine | 0.03793 | -0.001581 | -1.115 |
| P2 | Machine | 0.07348 | 0.000471 | -0.9441 |
| P2 | Machine | 0.06775 | 0.008015 | -0.9327 |
| P3 | Machine | 0.09263 | 0.0009062 | -0.9547 |
| P3 | Machine | 0.08929 | 0.007652 | -0.9455 |
| P4 | Machine | 0.09734 | 0.01258 | -0.9448 |
| P4 | Machine | 0.09125 | 0.01599 | -0.9376 |
| P5 | Machine | 0.09879 | 0.02426 | -0.9331 |
| P5 | Machine | 0.09255 | 0.02441 | -0.9293 |
| P6 | Machine | 0.0653 | 0.02018 | -1.101 |
| P6 | Machine | 0.05805 | 0.02037 | -1.093 |
| P7 | Machine | 0.0653 | 0.04058 | -1.06 |
| P7 | Machine | 0.05805 | 0.04058 | -1.052 |
| P8 | Machine | 0.07159 | -1.686 | 0.04031 |
| P8 | Machine | 0.03893 | -1.706 | -0.04964 |
| P8 | Machine | 0.0971 | -1.696 | -0.009624 |
| P9 | Machine | 0.04596 | -1.698 | 0.02151 |
| P9 | Machine | 0.02035 | -1.719 | -0.02866 |
| P9 | Machine | 0.0526 | -1.71 | -0.007436 |
| P10 | Machine | 0.02248 | -1.698 | -0.001137 |
| P10 | Machine | -0.005918 | -1.719 | -0.006834 |
| P10 | Machine | 0.002851 | -1.71 | -0.008267 |
| P11 | Machine | -0.000236 | -0.7561 | -0.01443 |
| P11 | Machine | -0.02732 | -0.7654 | 0.008942 |
| P11 | Machine | -0.0395 | -0.7611 | -0.00567 |
| P12 | Machine | -0.05827 | -0.01591 | -1.041 |
| P12 | Machine | -0.05588 | -0.02111 | -1.054 |
| P12 | Machine | -0.06042 | -0.02055 | -1.048 |
| P13 | Machine | -0.03831 | -0.7527 | -0.04293 |
| P13 | Machine | -0.07494 | -0.7621 | 0.03541 |
| P13 | Machine | -0.1252 | -0.7578 | -0.007713 |
| P14 | Machine | -0.05685 | -0.7527 | -0.05577 |
| P14 | Machine | -0.09568 | -0.7621 | 0.04777 |
| P14 | Machine | -0.1645 | -0.7578 | -0.008183 |
| P15 | Machine | -0.08964 | -1.691 | -0.1127 |
| P15 | Machine | -0.1371 | -1.712 | 0.09908 |
| P15 | Machine | -0.2405 | -1.702 | -0.01396 |

REFERENCES:



AMC-ENGINEERING SERVICES



Static Loads Isolators

| Name | rel. to | Fx [kN] | Fy [kN] | Fz [kN] | Tx [kNm] | Ty [kNm] | Tz [kNm] |
|------|---------|-----------|-----------|-----------|----------|----------|----------|
| P1 | Machine | 0.04069 | -0.004997 | -1.125 | 0 | 0 | 0 |
| P1 | Machine | 0.03793 | -0.001581 | -1.115 | 0 | 0 | 0 |
| P2 | Machine | 0.07348 | 0.000471 | -0.9441 | 0 | 0 | 0 |
| P2 | Machine | 0.06775 | 0.008015 | -0.9327 | 0 | 0 | 0 |
| P3 | Machine | 0.09263 | 0.0009062 | -0.9547 | 0 | 0 | 0 |
| P3 | Machine | 0.08929 | 0.007652 | -0.9455 | 0 | 0 | 0 |
| P4 | Machine | 0.09734 | 0.01258 | -0.9448 | 0 | 0 | 0 |
| P4 | Machine | 0.09125 | 0.01599 | -0.9376 | 0 | 0 | 0 |
| P5 | Machine | 0.09879 | 0.02426 | -0.9331 | 0 | 0 | 0 |
| P5 | Machine | 0.09255 | 0.02441 | -0.9293 | 0 | 0 | 0 |
| P6 | Machine | 0.0653 | 0.02018 | -1.101 | 0 | 0 | 0 |
| P6 | Machine | 0.05805 | 0.02037 | -1.093 | 0 | 0 | 0 |
| P7 | Machine | 0.0653 | 0.04058 | -1.06 | 0 | 0 | 0 |
| P7 | Machine | 0.05805 | 0.04058 | -1.052 | 0 | 0 | 0 |
| P8 | Machine | 0.07159 | -1.686 | 0.04031 | 0 | 0 | 0 |
| P8 | Machine | 0.03893 | -1.706 | -0.04964 | 0 | 0 | 0 |
| P8 | Machine | 0.0971 | -1.696 | -0.009624 | 0 | 0 | 0 |
| P9 | Machine | 0.04596 | -1.698 | 0.02151 | 0 | 0 | 0 |
| P9 | Machine | 0.02035 | -1.719 | -0.02866 | 0 | 0 | 0 |
| P9 | Machine | 0.0526 | -1.71 | -0.007436 | 0 | 0 | 0 |
| P10 | Machine | 0.02248 | -1.698 | -0.001137 | 0 | 0 | 0 |
| P10 | Machine | -0.005918 | -1.719 | -0.006834 | 0 | 0 | 0 |
| P10 | Machine | 0.002851 | -1.71 | -0.008267 | 0 | 0 | 0 |
| P11 | Machine | -0.000236 | -0.7561 | -0.01443 | 0 | 0 | 0 |
| P11 | Machine | -0.02732 | -0.7654 | 0.008942 | 0 | 0 | 0 |
| P11 | Machine | -0.0395 | -0.7611 | -0.00567 | 0 | 0 | 0 |
| P12 | Machine | -0.05827 | -0.01591 | -1.041 | 0 | 0 | 0 |
| P12 | Machine | -0.05598 | -0.02111 | -1.054 | 0 | 0 | 0 |
| P12 | Machine | -0.06042 | -0.02055 | -1.048 | 0 | 0 | 0 |
| P13 | Machine | -0.03831 | -0.7527 | -0.04293 | 0 | 0 | 0 |
| P13 | Machine | -0.07494 | -0.7621 | 0.03541 | 0 | 0 | 0 |
| P13 | Machine | -0.1252 | -0.7578 | -0.007713 | 0 | 0 | 0 |
| P14 | Machine | -0.05685 | -0.7527 | -0.05577 | 0 | 0 | 0 |
| P14 | Machine | -0.09568 | -0.7621 | 0.04777 | 0 | 0 | 0 |
| P14 | Machine | -0.1645 | -0.7578 | -0.008183 | 0 | 0 | 0 |
| P15 | Machine | -0.08964 | -1.691 | -0.1127 | 0 | 0 | 0 |
| P15 | Machine | -0.1371 | -1.712 | 0.09908 | 0 | 0 | 0 |
| P15 | Machine | -0.2405 | -1.702 | -0.01396 | 0 | 0 | 0 |



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