

## CALIBRATION SPHERES FOR SIMRAD ECHOSOUNDERS 2022

To have a right calibration of the echo sounder or equivalent it is important to have a perfect Sphere under the ship in the beam of the echo sounder.

BE Precision invented a perfect Sphere to detect the sphere only and not the netting knots , So in this case the echo sounder detects only the Sphere and this improves the calibration accuracy.

This method ensures a perfect attachment of the monofilament loop.

The echo sounder reads only the Sphere and this improves the calibration process.

The Echosounder target distortion is minimal and maximizes the accuracy and repeatability compared to the standard netting around the 38.1mm

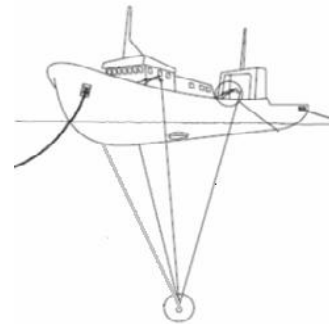
We also offer 3 rigging spheres to have the perfect calibration values

We have all size available in Tungsten or Copper material:

Sphere Size	Type of system	BE Order-number 1	BE Order-number 3
5.5 mm	200 khz	3875 654 6405	3875 654 6305
22 mm	333 khz	3875 654 6412	3875 654 6312
25 mm	ME 70	3875 654 6416	3875 654 6316
38.1 mm	38kc, 70kc, 120kc, 200kc	3875 654 6418	3875 654 6318
60 mm Cu	38 KHZ	3875 654 6419	3875 654 6319
63 mm Cu	18 KHZ	3875 654 6421	3875 654 6321



Name of the ship on the packing case

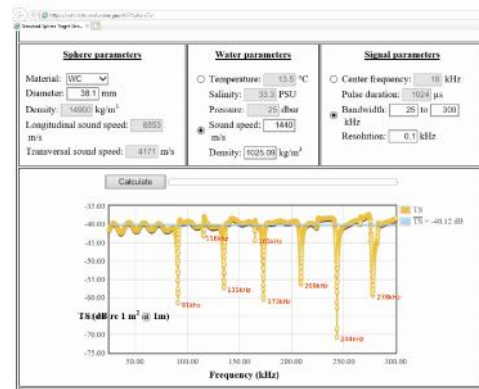


Spheres will work on 3 or 4 boom system

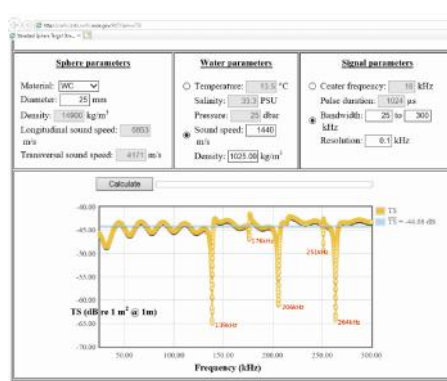
Frequency [kHz]	Calibration Sphere	Nominal TS [dB]
18	63.0 mm Cu	-34.44
38	60.0 mm Cu	-33.60
38	38.1 mm WC	-42.04
70	32.1 mm Cu	-39.10
70	38.1 mm WC	-40.56
120	23.0 mm Cu	-40.40
120	38.1 mm WC	-39.83
200	13.7 mm Cu	-45.00
200	38.1 mm WC	-39.45

For more information please ask your local supplier or send an email to [info@be-systems.nl](mailto:info@be-systems.nl)

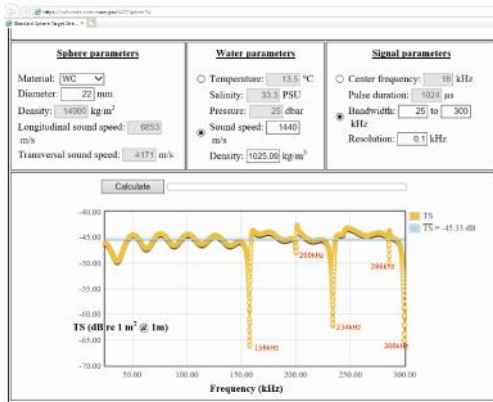
## Specifications for 38.1 mm



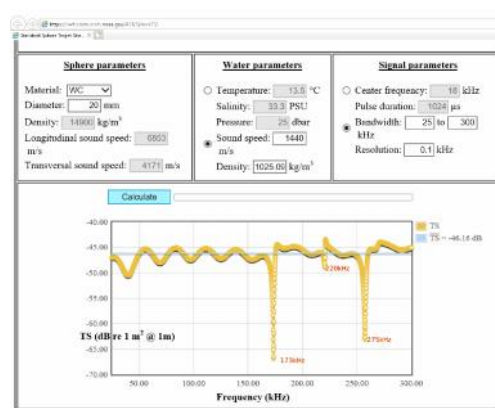
## Specifications for 25 mm



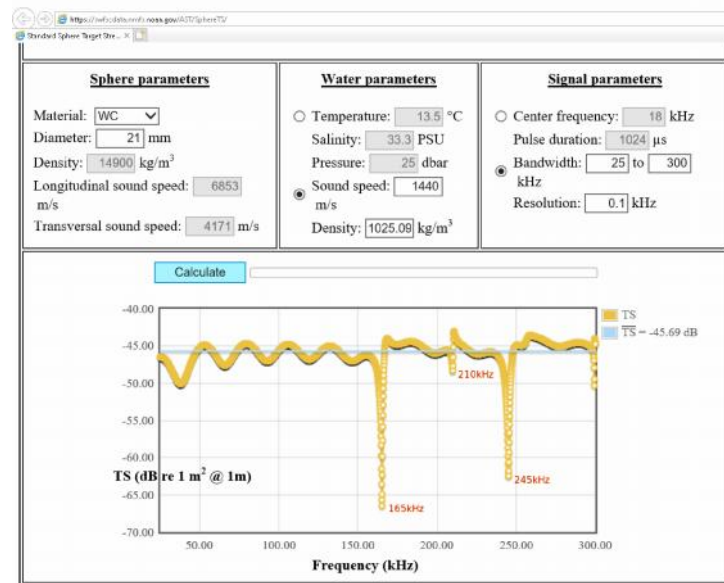
## Specifications for 22 mm



## Specifications for 21 mm



## Specifications for 20 mm



More specs for other frequency's on request